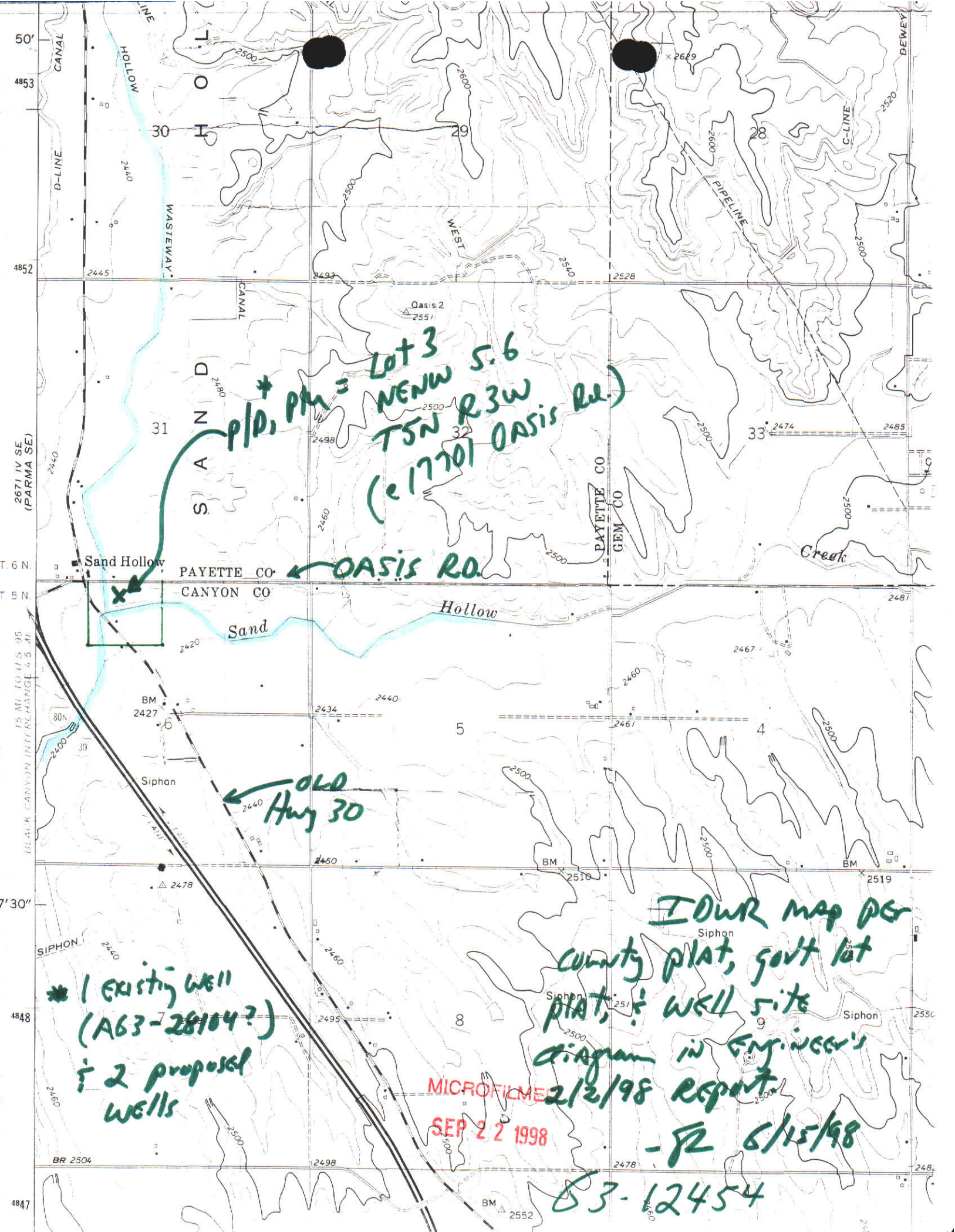




* p/p, PM = Lot 3
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(e17701 OASIS Rd)

← OASIS RD

← OLD
Aug 30

* 1 existing well
(A63-28104?)
+ 2 proposed
wells

TOUR map per
county plat, govt lot
plat, + well site
diagram in Engineer's
2/2/98 report.
- JR 6/15/98

MICROFILMED
2/2/98
SEP 22 1998

63-12454

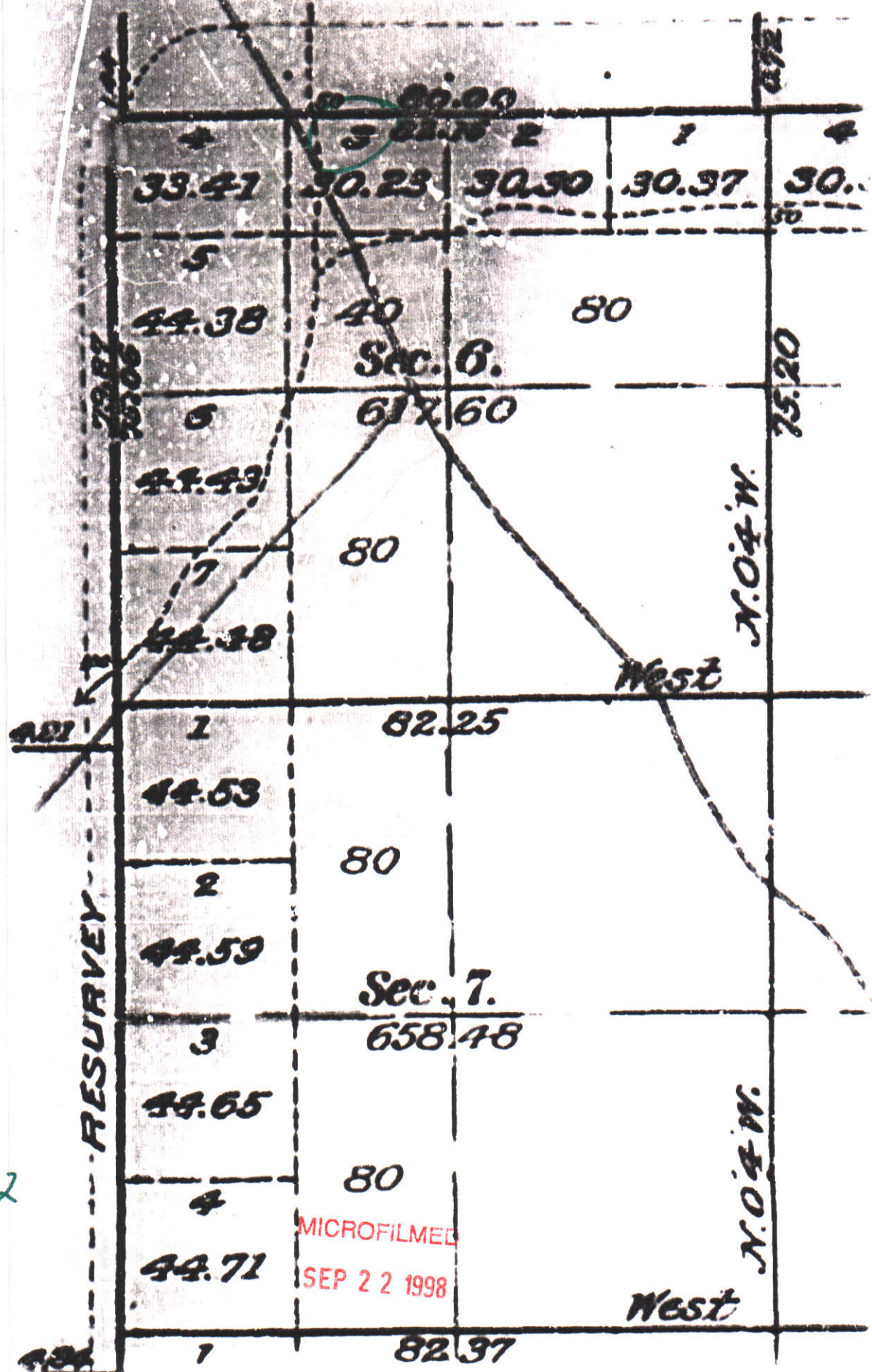
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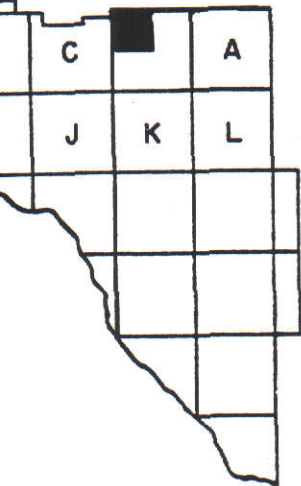
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IDWR map #2
63-12454

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from: Canyon Co.
Rural Address
plots, pg 12

Bb

CANYON COUNTY

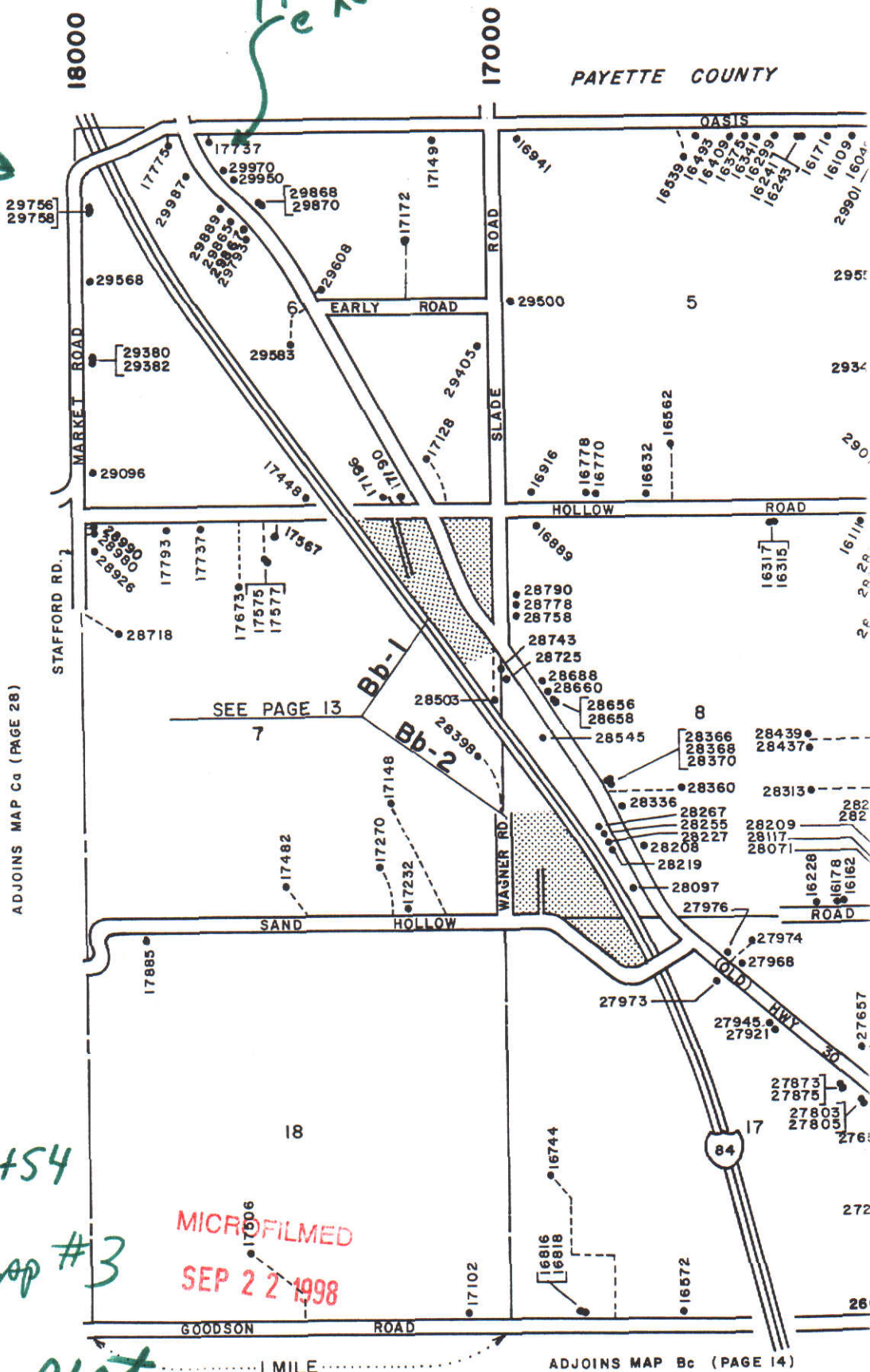
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63-12454

TOUR map #3

COUNTY PLAT

MICROFILMED
SEP 22 1998

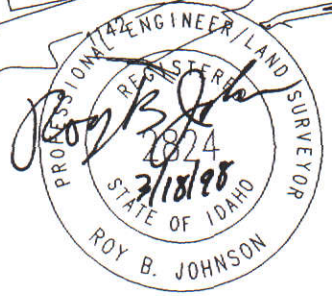
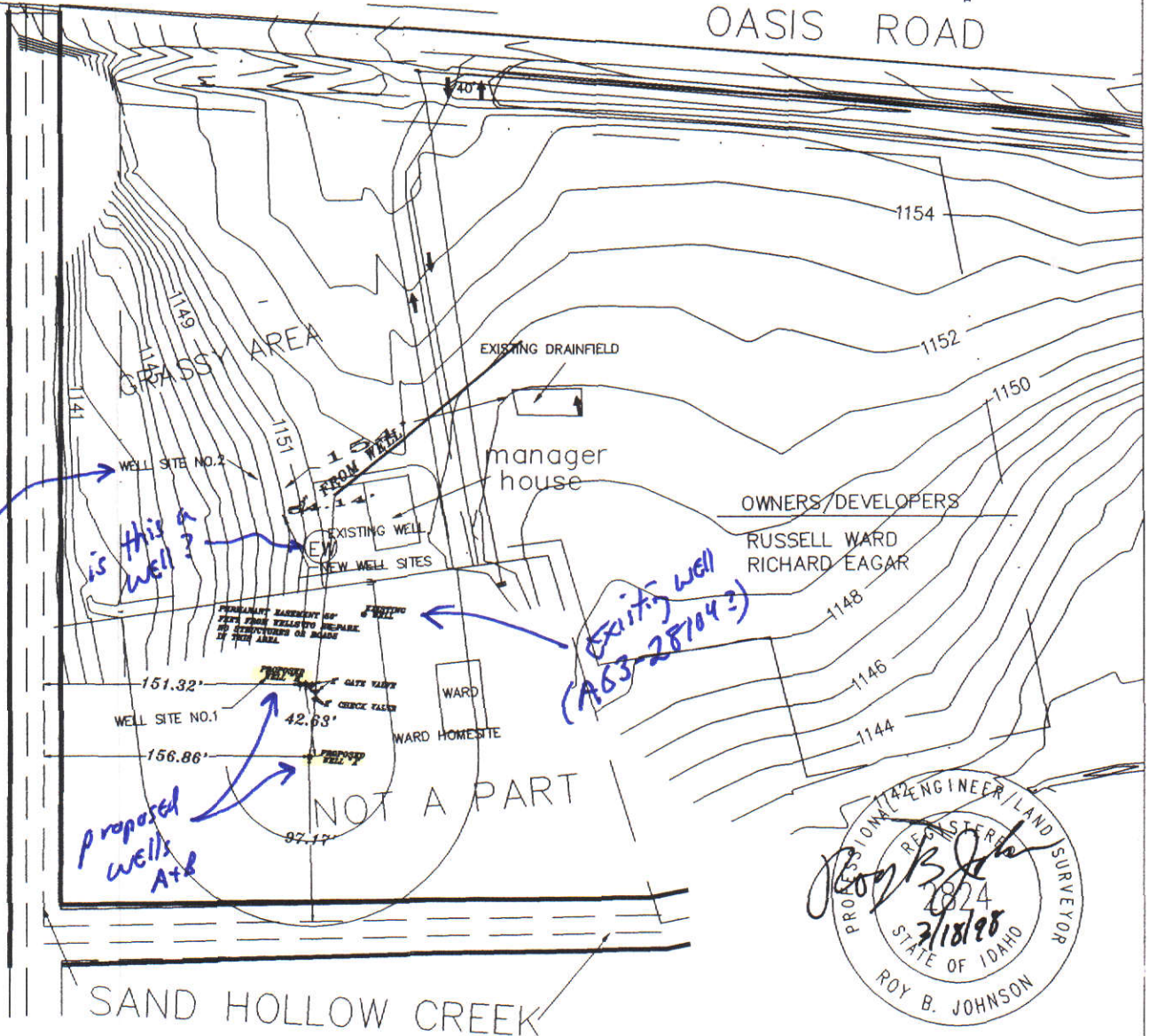


ADJOINS MAP Bc (PAGE 14)

WELL SITE DRAWING
 COUNTRY CORNERS CAMPGROUND
 CUPM #974316L9-3N-2W
 SITE LOCATION: 17701 OASIS ROAD
 NW 1/4 SECTION 6, T.5 N. R. 3 W., B.M.
 CANYON COUNTY, IDAHO



OASIS ROAD



WELL SITES

notes by 6/18/98
 SK

DRAWN BY: R.B.J.	DATE 1-23-98	PROJECT:
CK'D. BY: R.B.J.	SCALE 1"=100'	COUNTRY CORNERS CAMPGROUND
APPROVED		MICROFILMED
		SEP 22 1998
		DRAWING NAME
		90:\SANDHOL\WELLSITE.DWG
		SHEET 1 OF 1

RECEIVED

JUL 14 1999

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Department of Water Resources

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have 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, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 63-12454 Telephone No. (208) 4538791
2. Name(s) of Permit Holder(s): CROSSROADS ENTERPRISES INC.
3. Mailing Address: 17671 OASIS Road Caldwell ID 83605
4. Source of Water: Well If **GROUNDWATER** (well), Date Drilled: mo. 09 / yr. 98
 - a. Well Driller: John Post Drilling Permit Number: 63-98-W-0450-000
 - b. **OPTIONAL:**
Pump Horsepower: _____ Pressure (psi): _____ Dynamic pumping level (ft): _____
5. Use(s) (as authorized by the water right permit):
Domestic (No. of households): _____ Stockwater (No. and type of stock): _____
Irrigation (No. of acres): _____ Other: X
6. Total rate of diversion and/or volume for which proof is submitted: 0.20 cfs OR _____ acre feet
7. Measuring Device Requirement: (refer to the approval conditions on your permit and respond accordingly)
(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device:	Is a measuring device required?	Yes _____ or No <u>X</u>
	Has the measuring device been installed?	Yes _____ or No _____
Flow Measurement Port:	Is a flow measurement port required?	Yes _____ or No <u>X</u>
	Has the measurement port been installed?	Yes _____ or No _____
8. Fee Enclosed: \$ _____ (See Fee Schedule on back of the instructions for filing proof of beneficial use)
9. Person to contact to accompany the Department representative during field examination of the water system.
Name: Russell Ward / Richard Eager Telephone Number: 4538791
Address: 17671 OASIS RD Caldwell ID 83607

10. The information given on this form 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. 2000

Signature of permit holder: Richard Eager Date: 070998
(include your title, if on behalf of company or organization)

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 63-12454

Proposed Priority: March 26, 1998 Maximum Diversion Rate: 0.20 CFS

This is to certify, that **CROSSROADS ENTERPRISES INC**
17671 OASIS RD
CALDWELL ID 83605

has applied for a permit to appropriate water from: **GROUNDWATER**

and a permit is **APPROVED** for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
DOMESTIC	01/01 to 12/31	0.20 CFS

LOCATION OF POINT(S) OF DIVERSION: Lot 3(NENW), Sec. 6, Township 05N, Range 03W
CANYON County

PLACE OF USE: DOMESTIC

TWN RGE SEC

05N 03W 6 Lot 3(NENW)

CONDITIONS OF APPROVAL AND REMARKS

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **September 1, 1999.**
2. Subject to all prior water rights.
3. Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
4. The Director retains jurisdiction to require the right holder to provide purchased or leased natural flow or stored water to offset depletion of Lower Snake River flows needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary for this purpose will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this permit.
5. The domestic use authorized under this right shall not exceed 13,000 gallons per day per recreational vehicle connection.
6. The irrigation occurring under this domestic use shall not exceed 2.4 acres around the recreational vehicle spaces. This right does not provide for irrigation of common areas.
7. Domestic use is for 77 spaces in a recreational vehicle park.
8. Water bearing zone to be appropriated is from 190 to 200 feet.
9. Three points of diversion are located within Lot 3 (NENW), S06, T05N, R03W.

MICROFILMED

APR 22 1998

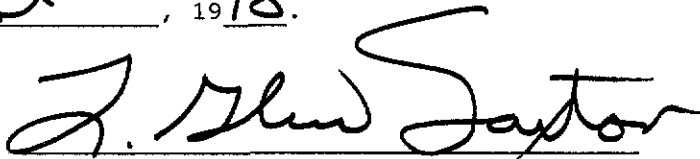
State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 63-12454

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.
Witness the signature of the Director, affixed at Boise, this

20 th day of August, 1998.


for Karl J. Dreher, Director



RECORDED

SEP 27 1998

Ident. No. 03-12454

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

RECEIVED

MAR 26 1998

To appropriate the public waters of the State of Idaho

Department of Water Resources

1. Name of Applicant Crossroads Enterprises Inc. Phone (208) 454-1995
Mailing address 17671 Oasis Road, Caldwell, Id, 83605
2. Source of water supply groundwater which is a tributary of —
3. Location of point of diversion is Township 5N Range 3W Sec. 6 in the NW 1/4, NE 1/4, NW 1/4, Govt. Lot 3, B.M., Canyon County;
additional points of diversion if any: (3 pld in legal)
4. Water will be used for the following purposes:
 Amount 20 for commercial domestic 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)
 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)
 Amount — for — purposes from — to — (both dates inclusive)
 (cfs or acre-feet per annum)
5. Total quantity to be appropriated is (a) 20 and/or (b) —
cubic feet per second acre feet per annum
6. Proposed diverting works:
 - a. Describe type and size of devices used to divert water from the source 2-6" wells (NW) plus AN existing well, pumps & pipelines
 - b. Height of storage dam — feet; active reservoir capacity — acre-feet; total reservoir capacity — acre-feet
 - c. Proposed well diameter is 6" inches; proposed depth of well is 240 feet
 - d. Is ground water with a temperature of greater than 85°F being sought? No
 - e. If well is already drilled, when? —; Drilling firm —
Well was drilled for (well owner) —; Drilling Permit No. —
7. Time required for completion of works and application of water to proposed beneficial use is 1 years (minimum 1 year)
8. Description of proposed uses (if irrigation only, go to item 9):
 - a. Hydropower; show total feet of head and proposed capacity in KW. —
 - b. Stockwatering; list number and kind of livestock. —
 - c. Municipal; show name of municipality. —
 - d. Domestic; show number of households. —
 - e. Other; describe fully. Recreational Vehicle Park 77 connections plus 2.4 acres lawns (allow .06 cfs for irrigation use within .20 cfs total).

ALL notes by gl per original Engineer's
Report plus 6/11/98 letter from Engineer.

SEE D'BASE
for
VERSION
complete
REVISION

9. Description of place of use:

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

b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	N E				N W				S W				S E				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
5N	3W	6					P Lot 3												

Total number of acres to be irrigated _____

10. Describe any other water rights used for the same purposes as described above. None

11. a. Who owns the property at the point of diversion? applicant

b. Who owns the land to be irrigated or place of use? applicant

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

12. Remarks: Water bearing zone to be appropriate for 1 existing and 2 proposed wells is from 190 to 200 feet for a RV park.

Applicant agrees to mitigate consumptive use in the future as needed.

See D'BOSE WRSM for Corrad to clarify this filing.

13. MAP OF PROPOSED PROJECT REQUIRED - Attach an 8 1/2"x11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. (A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.)

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

MICROFILMED

SEP 22 1998

[Signature]
Signature of Applicant (and title, if applicable)

Received by SL Date 3/26/98 Time — Preliminary check by SL
 Fee \$ 50 Receipted by RD # W0033610 Date 3-27-98
 Publication prepared by ST Date 6/24/98 Published in Id. Press-Tribune on 7/28/98
 Publication approved ST Date 7/21/98

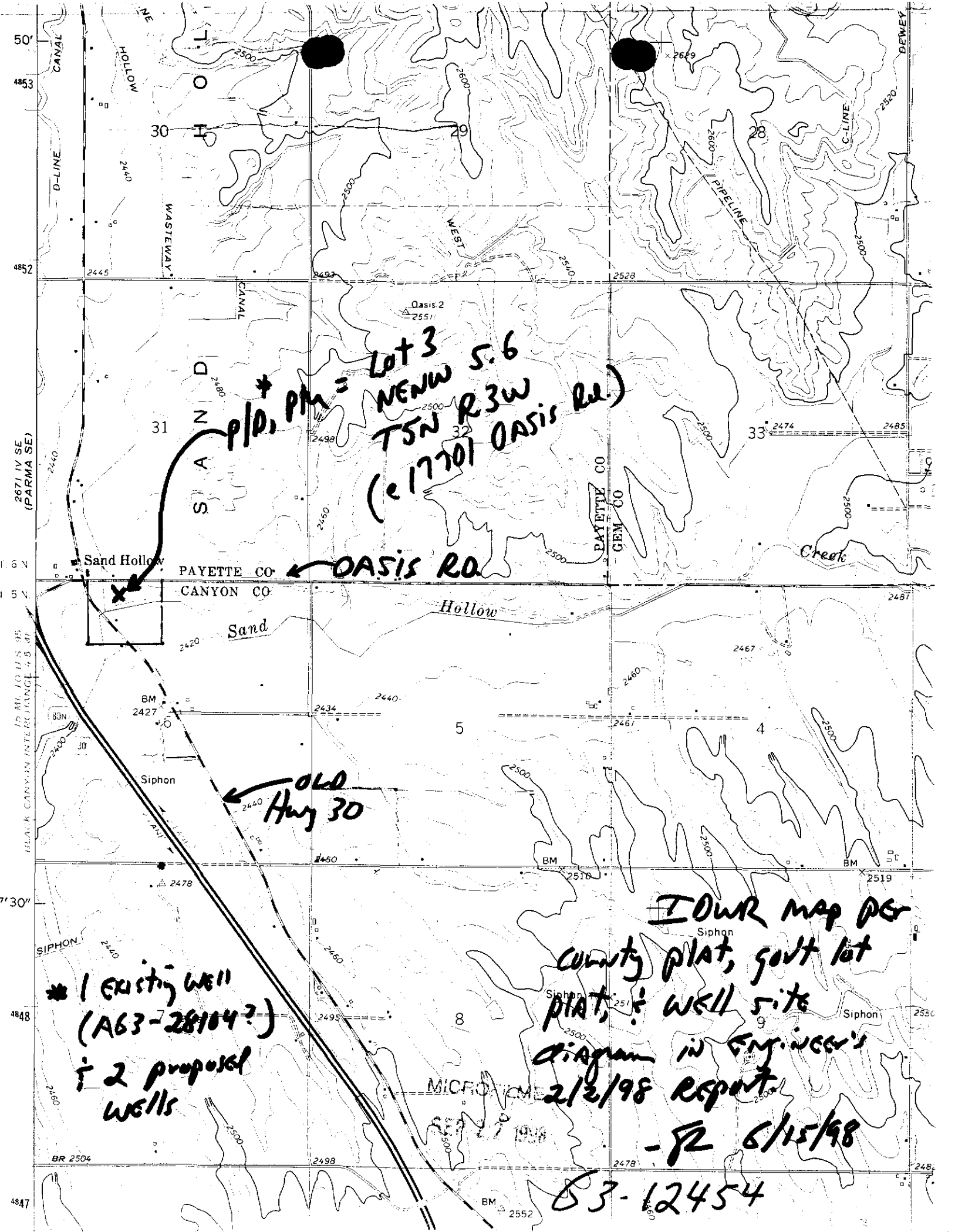
* Record e.s.o. 3/26 w/ check, unreceipted & forwarded to Regim.
 D.O.P. = 3/26/98.

Comments: Date: 6/18/1998 User-ID: SLESTER

Subject: REVIEWER'S ADD'TL INFORMATION

Revisions to original application are based on "response form", engineer's report included with original application, engineer's 6-11-98 letter, and IDWR maps that are based on applicant's data. The well site diagram in engineer's report is somewhat confusing regarding the number and location of existing wells. However, the final application includes 1 existing well (possibly D/1 well in A63-28104, 1944 priority in the name of Eager, CEO of Crossroads Inc.) plus 2 proposed wells ("A & B" sites, also see attached drilling permit applications) for 77 unit RV park with 2.4 acres of lawn irrigation. Total .20 cfs domestic includes the in-house use plus yard water (figured up to .06 cfs allowable for 2.4 acres). Rate is ok since D/77 can include >.20 cfs (per chart). Existing well to be used for irrigation while new wells to be for domestic. Not clear if all will be plumbed into single system, but since all wells to serve a common development seems correct to allow everything on 1 application. Condition of approval about future mitigation (salmon flows) required since a consumptive component is involved. See 6-11-98 letter for list of officers. CONTACT IS ROY B. JOHNSON, P.E. 323-7563 (BOISE).

MICROFILMED
SEP 22 1998



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* p/a, PM = Lot 3
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T5N R3W
(e17701 OASIS Rd)

OASIS RD

OLD
Aug 30

* 1 existing well
(A63-28104?)
+ 2 proposed
wells

TOUR map per
county plat, govt lot
plat, + well site
diagram in Eng. WGR's
2/2/98 report.
- JR 6/15/98
63-12454

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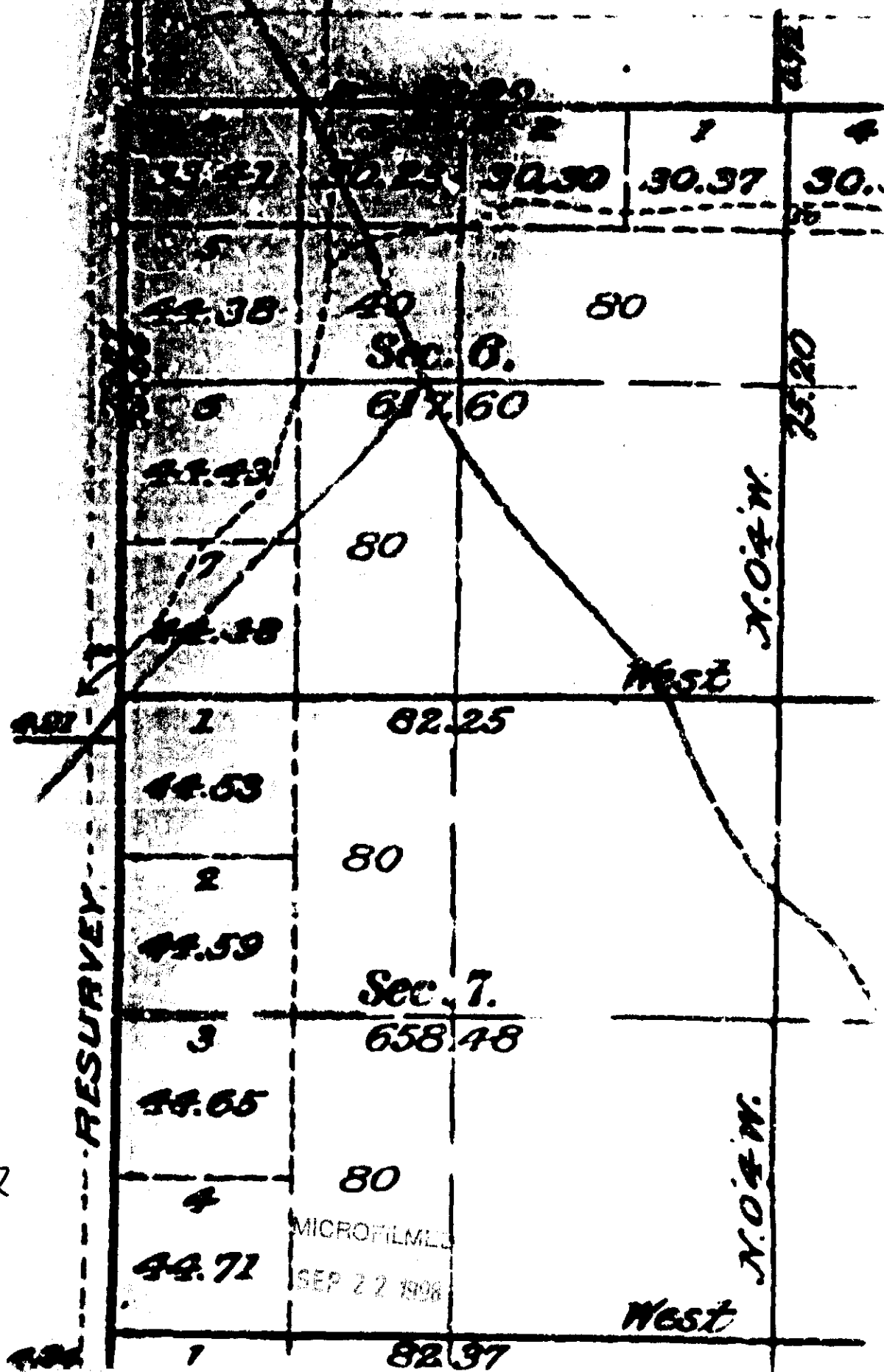
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IDWR map #2

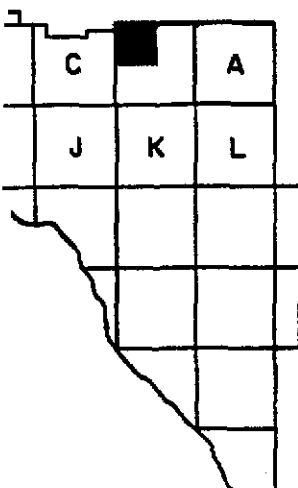
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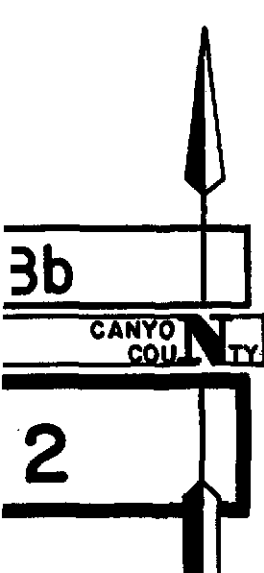
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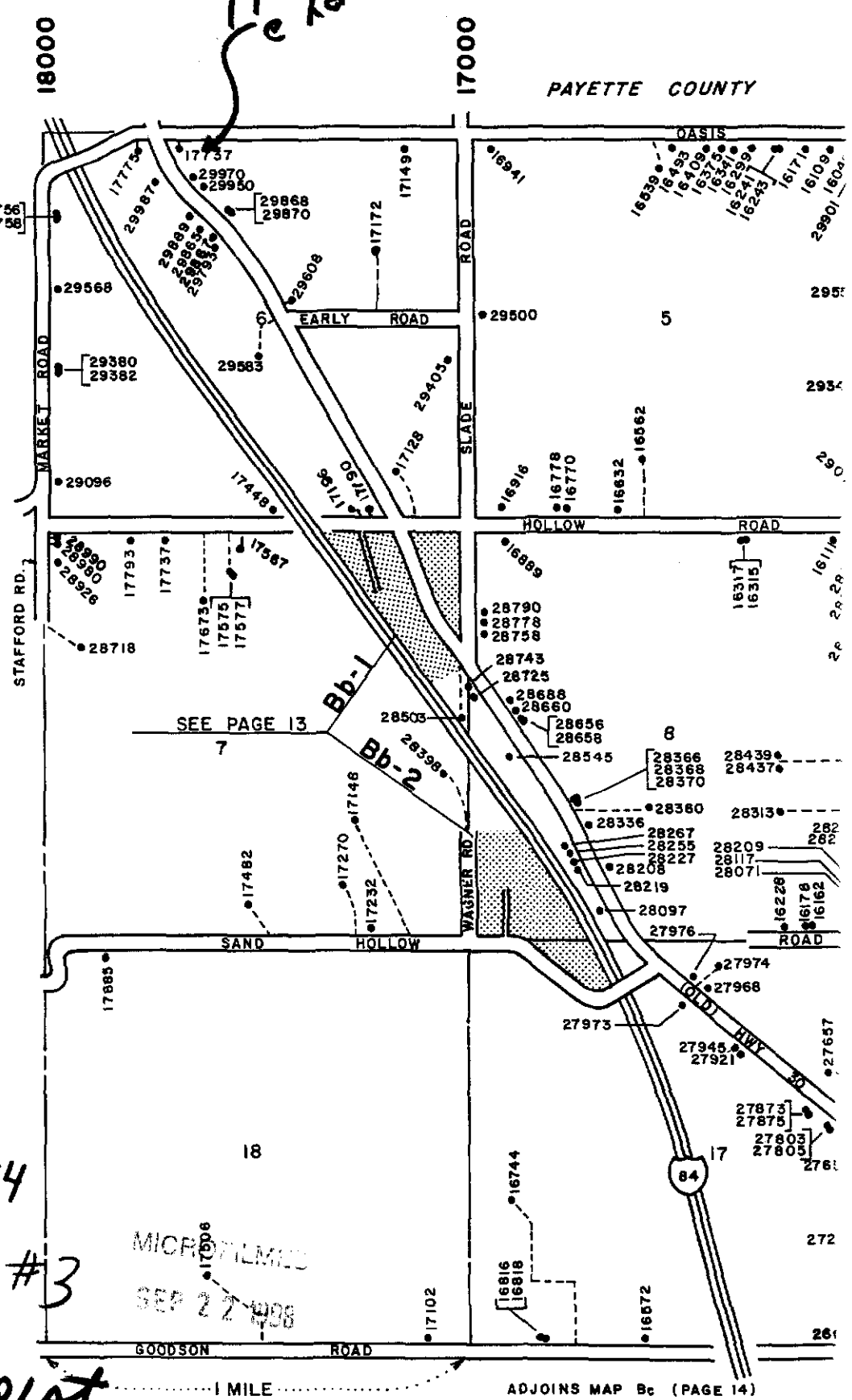


From: Canyon Co.
Rural Address
plots, pg 12

ADJOINS MAP Cc (PAGE 28)



63-12454
TOWN MAP #3
COUNTY PLAT





State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098

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

DIRK KEMPTHORNE
GOVERNOR

December 22, 1999

KARL J. DREHER
DIRECTOR

Crossroads Enterprises Inc
17671 Oasis Rd
Caldwell ID 83605

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 63-12454

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water.

Be advised that Section 42-248, Idaho Code, requires you or the owner of this water right to maintain current ownership and address records on file with the department. Forms to file a change of ownership of a water right and/or a change in the address of the water right owner are available from any department office.

If you have questions concerning the field examination, please contact the **WESTERN** Regional Office of the department in Boise at (208)334-2190.

Sincerely,

JULIE L. YARBROUGH, Administrative Assistant
Water Allocation Bureau

c: IDWR - Regional Office

MICROFILMED

JAN 28 2000

**ANALYSIS SHEET
FOR
PROOF OF BENEFICIAL USE**

Permit No. 03-12454

Reviewed by [Signature]

Date 10-22-99

GENERAL CONSIDERATIONS

TYPES OF USE

yes Name same as permit?

other

yes Address same as permit?

yes Proof timely received?

Correct Uses? ?

If not, complete calculation below.

SOURCE OF WATER

 Surface water source

✓ Ground water source

yes Drilling permit required?

yes Copy in the file?

Drilling Permit No. 03-98-W0450-000

200- Amount paid for permit

yes Correct?

no Well log in the file?

LICENSE EXAMINATION FEE

MEASURING DEVICE

yes Required?

no Required?

50- Amount Submitted

1 Installed?

yes Correct?

 Waiver requested?

PRIORITY CALCULATION

Date proof received

Date proof due

No. of days late

Priority Date

New Priority Date

_____	-	_____
_____	=	_____
_____	+	_____
_____		_____

DEFICIENCIES OR ACTION ITEMS

Proof Acceptable

DATA ENTRY

New Address X

Proof Made 7-14-99

June 30, 1999

CROSSROADS ENTERPRISES INC
17671 OASIS RD
CALDWELL ID 83605

PROOF DUE NOTICE

RE: PERMIT NO. 63-12454

Dear Permit Holder:

One of the conditions of approval of the above referenced water permit was that proof of the extent of your beneficial use must be submitted to this office on or before September 1, 1999. (See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

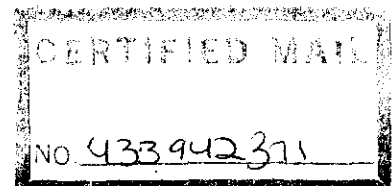
Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

SINCERELY,

JULIE L. YARBROUGH
Senior Secretary

Enclosures

MICROFILMED
JUN 28 2000





State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098

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

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

August 20, 1998

CROSSROADS ENTERPRISES INC
17671 OASIS RD
CALDWELL ID 83605

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 63-12454

Dear Permit Holder:

The Department of Water Resources (IDWR) has issued the enclosed permit authorizing you to establish a new water right. Please be sure to thoroughly review the conditions of approval and remarks listed on your permit.

The permit is a preliminary order issued by IDWR pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action by IDWR unless a party petitions for reconsideration or files an exception and/or brief as described in the enclosed information sheet.

Enclosed is 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 licensed water right. Also enclosed is a form entitled "Proof of Beneficial Use". If your project is already completed, you should complete and submit this form immediately.

The right to drill a well is not a part of this permit to appropriate water. Beginning in July of 1987, a statute was enacted which requires a drilling permit for new well construction and deepening of existing wells. If the well(s) proposed for use under this right were drilled or deepened after July 1, 1987, a separate drilling permit must be obtained from this Department. Please contact the Groundwater Protection Section located here at this office or our regional office nearest you.

Also, please note that water right owners are required to report any change of water right ownership and/or change of mailing address to the department within 120 days of the change. Failure to report these changes could result in a \$100 late filing fee. Contact any office of the department or visit the department's homepage on the Internet to obtain the proper reporting form.

MICROFILMED

If you have any questions, please call me at 208-327-7946.

Sincerely,

A handwritten signature in cursive script that reads "Shelley W. Keen". The signature is written in dark ink and is positioned above the typed name.

Shelley W. Keen
Water Rights Supervisor

SK:klt

Enclosures

SEP 22 1998

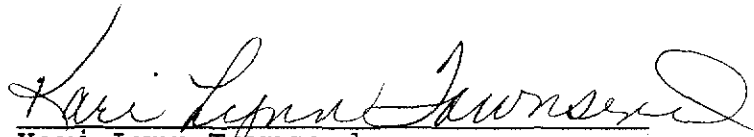
MICROFILMED
SEP 22 1998

CERTIFICATE OF MAILING

I hereby certify that on the 20th day of August, 1998, I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER (Approved Permit) to the person(s) listed below:

Water Right No. 63-12454

CROSSROADS ENTERPRISES INC
17671 OASIS RD
CALDWELL ID 83605


Kari Lynn Townsend
Secretary

MICROFILMED

SEP 22 1998

Responding to Preliminary Orders Issued by the Idaho Department of Water Resources

The Idaho Department of Water Resources (Department) issues water right permits, licenses, and transfers as preliminary orders pursuant to section 67-5243, Idaho Code. A preliminary order can and will become a final order without further action of the department unless a party petitions for reconsideration or files an exception and/or brief as further described below:

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the Department within fourteen (14) days of the service date of the order. The Department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See section 67-5243(3), Idaho Code.

EXCEPTIONS AND BRIEFS

Within twenty-one (21) days after (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from a preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding. Otherwise, a preliminary order will become a final order of the Department.

If any party appeals or takes exceptions to a preliminary order, opposing parties shall have twenty-one (21) days to respond to any party's appeal. Written briefs in support of or taking exceptions to the preliminary order shall be filed with the Department. The Department retains the right to review the preliminary order on its own motion.

ORAL ARGUMENT

If the Department grants a petition to review a preliminary order, the Department shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Department will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Department orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Department in connection with a preliminary order shall be served on all other parties to the proceedings in accordance with Rules of Procedure 302 and 303.

FINAL ORDER

The Department will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Department may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its issuance if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) the petition for reconsideration is disposed of, or
- (b) the petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

MICROFILMED
SEP 22 1998

APPLICATION FOR PERMIT STATE OFFICE ANALYSIS

by *Cindy Lou*

No.: 63-12454 Name: Crossroads Ent. Inc. Date: _____ Ad OK? _____ / Gvmt Lts: _____

AREA OF CONCERN: - No/Yes: _____ Mor / _____ GWMA / Trust / Non-trust

PROTESTED: - 020 (Protest Agreement) or *W19 (Order)

SYSTEM COMPLETED:

- > 1 year - ~~26A-P17~~
- ≤ 1 year/no proof - P16

GROUNDWATER: (✓ FLO-CH)

WMD (✓ MAP)

- > 0.24 cfs/5 acres - North / East / West
- ≤ 0.24 cfs/5 acres - 067 or No MD (in-stream stock or power)
- Supplemental use - No MD
- > 0.24 cfs/5 acres - 065-079 (if GW use SW 1st-statewide)-(cannot move SW off)
- ≤ 0.24 cfs/5 acres - 01M (report when notified)
- No MD

DRILLING PERMIT:

- All wells (✓ WDQ3) - 046-P23
- In Basin 34? - 085
- Irr. within WD - P05 (new well location)

SURFACE WATER: (✓ FLO-CH) (Surface water that doesn't sink is regulated):

FISH & GAME CONTACTED: - YES / No; RESPONSE: _____

IN/ABOVE MIN. STR. FLOW (✓ MAP) - *WB9

WD (✓ MAP & LISTING) - R04 (WD # _____)

- > 0.10 cfs - 01J-P08 (MD & LD)
- ≤ 0.10 cfs - 01H-P01 (LD), 01P or No MD (in-stream stock)

WMD (✓ MAP)

- > 0.24 cfs/5 acres - 067 or No MD (in-stream stock or power)
- ≤ 0.24 cfs/5 acres - No MD

SPRINGS/SINK, INACTIVE WD & REST OF STATE

- > 0.24 cfs/5 acres - 01M or No MD (in-stream stock or power)
- ≤ 0.24 cfs/5 acres - No MD

RIVER BASINS: (*Surface water):

- Snake R (01) - *W22 -P04, NA
- (02/03-irr) - 007 (w/ remark *WB9 if above Weiser), NA
- Payette R(65) - *W22 (regulated uses), 047-P04 (Payette Lake), NA
- Salmon R (70's) - 029 (fish screens), NA
- Weiser R (67) - 086, 087

USE:

- Domestic surface - *WB5 (Big Wood R or Boise R ↑ Star Bridge); 27A (Payette River); NA
- >1 in rest. area - 071-070 (mod.)
- Fire Protection - 077
- Fish Propagation - 029-007-042(req)-081 (WQ)-P10
- Heating/Cooling - R07 (injection well)
- Irr ≤ 5 acres - R66/R67/R68/R69 (0.03 cfs/acre + 3.0/3.5/4.0/4.5 AF)
- > 5 acres - R62/R63/R64/R65 (0.02 cfs/acre + 3.0/3.5/4.0/4.5 AF)
- Mining - 054(req) -081-P10
- Municipal - 022, 075, 004 (+memo?), NA (not in restricted area)
- Power - 17H/17K(+uses)-08A-025(P18)-01N-028-081(P10)-027 (if no other cons. use); 17G (FERC) or 17M (FERG); 18B-P09; >25 cfs-P18
- Stockwater - R37 (BLM/USFS); NA
- Storage (✓ 3 compo.) - 18A (in & out MD for on-stream storage), 18B-P09 (>10' dam), NA

LOCATION:

- 42-248 area - P84 (In 20/30/40/50/60/70/80 (87) basin)
- Boise Front LoGeo - 056 (<85° GW temp only)
- In-stream dev. - P52 (stream channel alteration)
- Mitigation - 120

SWAN FALLS FLAG (See Code Chart)

- Trust - 051-052-053-P74 (Consumptive Uses), NA
- Non-Trust (1) - 048-049 (Consumptive Uses), NA
- 004 (PD/PU)

OWNERSHIP:

OTHER CONDITIONS:

STANDARD REMARKS: - 0071 020 03 w60 04 w32/5

BENEFICIAL USE DUE: - 9/1/ 1999

COMMENTS:

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPROPRIATION APPLICATION ANALYSIS SHEET

INITIAL REVIEW BY: JE DATE: 6/18/98 APPLICATION: 63-12454

REQUIRED INFORMATION

Name: (If applicant is a corporation or partnership, names and addresses for the director, officers, and other partners must be included.) *see D'Base Comments*
Address:
Source: (See USGS Quad for names of water sources)
Point of Diversion: (10 acres for spring, lot & block descriptions for Subdivisions, local name)
County:
Quantity: (flow and/or volume)
Period of use: Gov't. Lots: Y P/D
Nature of proposed use: (Include description of use) Y P/U
Description of diverting works:
Time required for beneficial use of water:
Place of use or acres irrigated:
Map: (show T, R, S, QQ &/or QQQ) *plot N/A for R.V. park; only 2.4 AC irrig. w/ 0/77 site*
Subdivision plat: (for > 1 home in restricted area. $\geq$ 5 homes in non-restricted area)
Signature: (If applicant is corp., partnership, or municipality, title of signatory is required)
Correct fee paid

ADDITIONAL INFORMATION

Y ADVERTISE REMARK(S) *all*
(Reviewer identify which remarks)
N/A T FLAG CHANGED TO P FLAG

YES NO

✓ Overlapping place of use: (Describe source & relationship to present application on next page.)
✓ Overlapping point of diversion.
✓ Critical groundwater area:
✓ Groundwater management area:
✗ 1992 moratorium: *"subd." setting so N/A (RV park)*
✓ Bull trout impact area
✓ E-mail to SCA staff: (perennial stream, non-pump diversion &/or any mining).
✓ E-mail to Dam Safety staff: (for any storage)
✓ Mitigation plan: Check any that apply.
✓ *N/A* immediate = acceptable plan required and submitted.
✓ future = open areas, acceptance of condition of approval is in file. *Required since minor lawn irrigation*
✓ Send power requirement letter:
✓ Send fish farm requirement letter:
✓ Power residency affidavit:
✓ Diversion greater than 5 cfs or 500 af or irrigation greater than 200 acres: (If yes, attach Large Diversion supplementary analysis sheet.)
✓ *REQUEST ADDITIONAL INFORMATION FROM THE APPLICANT

NO W.R. pld overlap c groundwater. Attached AJ pld overlap suggests existing well is A63-28104 (D/I's stockwater). NO g.w. for irrig. here in WR/AJ d'bases. Black Canyon H2O in area but no surface water used on site per applicant's 6/11/98 info.
Date Requested _____ Date Response Received _____

PROCESSING

APP. NO.

63-12454

YES NO

☒ ☐
☐ ☐
☐ ☐

In form for advertising:

Statewide advertising: (> 10 cfs &/or 1000 af)

Fee amount, receipt number and date recorded on application:

SEND COPIES TO: NOTE IF E-MAIL COMMENT LETTER USED.

YES NO

☒ ☐
☐ ☐
☐ ☐
☐ ☐

I.D. Health & Welfare

I.D. District Health

I.D. Fish & Game

I.D. Lands

YES NO☐ ☒
☐ ☒
☐ ☒
☐ ☒

U.S. BLM

U.S. Forest Service

Water Dist. #

Other

FINAL REGIONAL PROCESSING REVIEW:

YES NO

☒ ☐
☒ ☐

Affidavit of publication received:

Application published correctly: If not, record action taken.

☒ ☐

Publication dates and paper recorded on application:

Final date for protest 7-20-98☐ ☒

Protests received.

☐ ☒

Recommendations attached:

☐ ☒

Measuring device required:

☐ ☒

Measuring port required:

☐ ☒

Water delivered by water master? District #

☒ ☐Special conditions of approval or cover letter: 120,046☒ ☐

See below for additional information

Recommended Date or Priority

3/26/98 (SL)Recommended by: BarryDate: 8/4/98

STATE OFFICE REVIEW

See below for additional information. By

Date

ADDITIONAL INFORMATION:

Looks Appropriate if: Run imp. limited to 2.4 acres
associated w/ D/M RV park, future mitigation condition,
w.b. zone into, 3 pld's, compliance w/ DGR & public supply
included w/ approval. Surface water N/A to site.

2 Drilling permit appl's, fully paid for, are included.

SD-0605-2 Township: 05N Range: 03W Section: 6 Tract: NW Lot: 25

S	L	R	STATE	O	S	Max # Records	25				
E	O	D	Water	Name	W	T	Priority				
L	Tract	T	V	Right No.	Last, First	N	G	Date	Source	Total	Diversion
NENW			A63-28104	EAGER, ESSIE	C	J	03/25/1944	GROUNDWATER	0.07		
NENW			R63-28104	EAGER, ESSIE	C	J	03/25/1944	GROUNDWATER	0.07		
NENW			R63-23277	COITEUX, JOE R	C	J	03/14/1973	GROUNDWATER	0.06		
				COITEUX, ALICE	C						
NENW	3		A63-25804	MILLIKAN JR, R	C	J	04/26/1979	GROUNDWATER	0.04		
NENW	3		R63-25804	MILLIKAN JR, R	C	J	04/26/1979	GROUNDWATER	0.04		
NWNW	4		R63-26662	SHRADER, BENNI	C	J	07/10/1967	GROUNDWATER	0.05		
				SHRADER, LULA	C						
SWSWNW			A63-20918	BARNES JR, JOS	C	J	05/01/1947	GROUNDWATER	0.06		
SWSWNW			R63-20918	BARNES JR, JOS	C	J	05/01/1947	GROUNDWATER	0.06		
SENEW			A63-28568	PEACE JR, ANDY	C	J	11/05/1977	GROUNDWATER	0.04		
				PEACE, LORIS	C						
SENEW			R63-28568	PEACE JR, ANDY	C	J	11/05/1977	GROUNDWATER	0.04		
				PEACE, LORIS	C						

(Enter=Continue)

(GOLD7=This Query)

(Menu _____)

= CEO of Crossroads Ent. Inc.

0/1 +
Stork
4" 140' well
per claim

WRQ5 = 0 for grad water

WRQ4 } none for ing from
AJQ4 } f.w.

Some Black Canyon I.O. How is this 1/4 Section

Are any of the above the 2 (?)
existing wells on site? Maybe 28104 is

AJQ5
(p10)
5/21/98

INTER-DEPARTMENT MEMO--1

FROM

Bary Spackman

DATE

8/4/98

TO

Shelley Keen^{PK}, Cindy Zimmerman

SUBJECT

I spoke to Glen Saxton about the commercial-domestic characterization, and how it affected processing. We decided to press forward with this application & call it a domestic use.


SIGNATURE

CONVERSATION MEMORANDUM

DATE 6/29/98
FILE 63-12454

NAME OF PARTY Sholky KERN
EMPLOYEE JK

RE: Domestic or Commercial?

JK called to discuss this Appl. - concerns re whether or not b.m. is comm. or domestic. If comm., can this be approved in Ps. 63 now?

Perhaps OK if each unit < 2500 gpd (certainly would be for RV scenario)?

This filing is a gray area re 42-111, Ps. 63 guidelines, i. subdivision etc. exceptions to processing delay.

ON one hand - could conclude that this is comm. use not approvable now in Ps. 63.

On the other hand - dept. has long history of "finding a way to make it ~~work~~ work".

Which case fits this Appl.?

MICROFILMED
SEP 22 1998

NOTICE OF APPLICATION FOR WATER RIGHT

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

63-12454

CROSSROADS ENTERPRISES INC

17671 OASIS RD

CALDWELL, ID 83605

Source: GROUNDWATER

Diversion Pt: LOT 3 (NENW) Sec 6 T05N R 03W in CANYON County.

Use: DOMESTIC (0.200 CFS)

Total Diversion: (0.200 CFS)

Date Filed: 3/26/1998

In: CANYON County

T05N R03W S06 Lot 3 (NENW)

Water bearing zone to be appropriated for 1 existing and 2 proposed wells is from 190 to 200 feet for a RV park. Applicant agrees to mitigate consumptive use in the future as needed.

63-12458

S & S PROPERTIES INC

NANCY SPENCER

4750 E FRANKLIN RD

NAMPA, ID 83651

Source: GROUNDWATER

Diversion Pt: LOT 2 (NWNE) Sec 4 T 02N R 03W in CANYON County.

Use: DOMESTIC (0.040 CFS)

Total Diversion: (0.040 CFS)

Date Filed: 6/15/1998

In: CANYON County

T02N R02W S04 NWNE

Permits will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec. 42-203A, Idaho Code. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Way, Boise, Idaho 83705 together with a protest fee of \$25.00 on or before JULY 20, 1998. The protestant must also send a copy of the protest to the applicant.

KARL J. DREHER, Director

July 2, 9, 1998

7315

MICROFILMED

SEP 22 1998

AFFIDAVIT OF PUBLICATION

RECEIVED

JUL 10 1998

WATER RESOURCES
WESTERN REGION

STATE OF IDAHO)
County of Canyon) SS.

Carolyn Roberson

of Nampa, Canyon County, Idaho, being first duly sworn, deposes and says:

1. That I am a citizen of the United States of America, and at all times hereinafter mentioned was over the age of eighteen years, and not a party to the above entitled action.

2. That I am the Principal Clerk of the Idaho Press-Tribune, a daily newspaper published in the City of Nampa and Caldwell, in the County of Canyon, State of Idaho; that the said newspaper is in general circulation in the said County of Canyon, and in the vicinity of Nampa and Caldwell, and has been uninterruptedly published in said County during a period of seventy-eight consecutive weeks prior to the first publication of the notice, a copy of which is hereto attached.

3. That the notice, of which the annexed is a printed copy, was published in said newspaper

Twice

— in the regular and entire issue of said paper, and was printed in the newspaper proper, and not in a supplement.

4. That said notice was published the following dates:

July 2 and 9, 1998

Carolyn Roberson

STATE OF IDAHO)
COUNTY OF CANYON)

On this 9th day of July
in the year of 1998, before me, a Notary
Public, personally appeared Carolyn Roberson,
known or identified to me to be the person whose
name subscribed to the within instrument, and being
by me first duly sworn, declared that the statements
therein are true, and acknowledged to me that he/she
executed the same.

MICROFILMED

SEP 22 1998

Jane Lee
Notary Public for Idaho
Residing at Nampa

MY COMMISSION EXPIRES
JUNE 21ST, 2003



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

July 24, 1998

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

ID DEPT OF HEALTH & WELFARE
DIV OF ENV QUALITY
BOISE REGIONAL OFFICE
PO BOX 83720
BOISE ID 83706

Re: Application for Permit No. 63-12454 in the Name of Crossroads Enterprises Inc.

Dear Sir:

Enclosed is a copy of the above-referenced application for permit within your district.

Please review the application and submit any comments you may have within two weeks.
If you have any questions or need information, feel free to contact this office.

Sincerely,

Gary Spackman

GS:st

Encl.

MICROFILMED
SEP 22 1998

RECEIVED

MAR 26 1998

Department of Water Resources

RESPONSE FORM

COMPLETE THIS FORM ONLY IF YOU WANT YOUR
APPLICATION TO BE PROCESSED

Name of Applicant

Crossroads Enterprises Inc

Mailing Address

17671 Oasis Road, Caldwell

Caldwell, Id 83605

Application No.

63-12454

-92 6/18/98

Mitigation

Yes, I agree to accept a condition of approval on my application that will require mitigation related to fishery resources based upon a finding by the Director of Idaho Dept. of Water Resources. I understand that mitigation is not needed now but may be needed in the future. I also understand that the Director will not invoke this condition until I have an opportunity to participate in the process by which mitigation is identified and quantified.

Signature

[Signature] - President

Date

3-24-98

Please return this form to:

Idaho Dept. of Water Resources
WR Permits Section
1301 N Orchard St.
Boise, ID 83706

MICROFILMED
SEP 27 1998

W023998 Kh

JOHNSON ENGINEERING
9225 CHINDEN BLVD. SUITE J
BOISE, ID 83714
(208) 323-7563
FAX(208) 323-9004

RECEIVED

JUN 11 1998

WATER RESOURCES
WESTERN REGION

June 11, 1998

Mr Steve Lester
State of Idaho
Boise, Idaho 83704

re: Country Corners Campground wells and water right

Mr. Lester

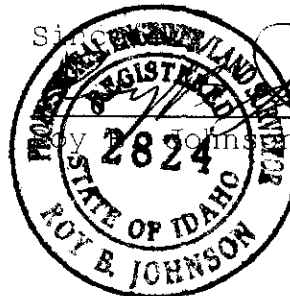
Please find enclosed the following response to your letter of May 21, 1998.

1. An additional \$10.00 fee
2. Titles

Crossroads Enterprises Inc.
President - Russell Ward
CEO - Richard N. Eager
Secretary - Cheryl Ward

3. The application shows the NW 1/4 of Government lot 3 which describes the 10 acre parcel.
4. The water use should be changed to domestic use as Suggested.
The total number of connection is 77.
The total irrigated area is 2.4 acres
5. Sites A & B are new wells for domestic use and there is one existing well which will be used for irrigation.
6. It is anticipated that the well screen will be placed at the 190-200 foot level which is where the water bearing layer is.
7. There are no surface water rights on this property.

Please let me know if you need other information.



C:\OFFICE\WPWIN\WPDOCS\CCCIDWR.DOC

MICROFILMED

SEP 22 1998

63-12454

RECEIPT
For Monies Paid
to the
Idaho Department of Water Resources

TO: Debbie Allen

From: Steve Lester

DATE: 6/18/98

RE: RECEIPT CHANGE

Receipt No: W023998

Date: 6/11/1998
Time: 10:25:12

PLEASE change this from water right code
to well drilling code (PCA 62134, subobj: 1205).

Received
From: JOHNSON LAND SURVEYING

Type of Payment	Program Acct	Amount
WATER RIGHT	62103	229 21 1155
		10.00
CHECK	1333	
		Total \$ 10.00

Region: WESTERN

Signature Kathy Gale

MICROFILMED

SEP 22 1998

Thanks,
JL



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190

FAX (208) 334-2348

May 21, 1998

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

ROY B JOHNSON P E
JOHNSON ENGINEERING
9225 CHINDEN BLVD STE J
BOISE ID 83714

63-12454

RE: CROSSROADS ENTERPRISES INC. WATER RIGHT APPLICATION

Dear Mr. Johnson:

This office received the water right application for your client in late March but has been unable to process it due to a backlog of other applications. At this point the backlog has been sufficiently reduced to allow the Crossroads filing to be reviewed.

Additional information is needed as noted below before processing can resume. Please respond to the following points at your earliest convenience.

✓ 1. Fee - \$440 was submitted for the \$50 water right application and two \$200 well drilling permit applications. The total fee is \$450; \$10 remains unpaid.

✓ 2. Titles - names and titles of owners, partners or officers of Crossroads are needed.

3. Map - the map included in your Feb. 2 report does not identify the 1/4-1/4 of Section 6 (only shows the 1/4 of section). Please provide a copy of the topographic map showing the 1/4-1/4 location of the proposed points of diversion and place of use.

✓ 4. Water uses - in order to be considered for approval within the limits of the Boise River drainage processing guidelines, it is recommended that the culinary water be described as domestic use. Along with this, the number of RV hookups should be stated. Additionally, your report suggests that some irrigation will occur. The maximum number of irrigated acres should be shown. Limited irrigation use (will be described as a component of domestic use) might be approvable in the RV park setting.

✓ 5. Wells - it appears that two new wells will be drilled (sites A and B in your map). The report indicates that two (?) existing wells are already on site and that at least one of those

SEP 22 1998

Crossroads Application
May 21, 1998
Page 2

will be used for irrigation. Please clarify the specific use of specific wells.

✓ 6. Water bearing zone - to process a ground water application for these uses in the area in question, the applicant must estimate the water bearing zone to be appropriated. Your report indicates that the 100-200' zone will be developed (page 1 states well screen about 200' deep, page 12 states approximate depth to water bearing strata about 100'). For proposed and/or existing wells (if the latter are used), does 100-200' sound about right for proposed water bearing zone?

✓ 7. Surface water - is surface water already used for irrigation now proposed from ground water (if the latter assumption is correct)? What are the details of surface water delivery (ditch company or other delivery organization and so forth)?

Please let me know if you need clarification on any of these items.

Sincerely,


Steve Lester
Water Rights Supervisor

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SEP 22 1998

RECEIPT
For Monies Paid
to the
Idaho Department of Water Resources

* Only received \$440.00. Needs to be \$450.00
Still need \$10.00.

Receipt No: W023612

Date: 3/27/1998
Time: 15:19:39

Received
From: WARD, CHERYL

Type of Payment	Program A cct	Amount
APPLICATION FOR PERMIT (CROSSROADS)	62103	50.00
APPLICATION FOR DRILLING PERMIT (A)	62134	200.00
APPLICATION FOR DRILLING PERMIT (B)	62134	190.00
Total		440.00

CHECK 1241

Region: WESTERN

Signature: *Cheryl Ward*

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SEP 22 1998

MAR 26 1998

92-374/1241
01

3-24 1998

Pay to the order of Id Dept of Water Resources
Four hundred forty and 00/100

\$ 440.00

Dollars

IDaho
BANKING
COMPANY
6010 Fairview Ave.
Boise, ID 83704
(208) 322-5151
24-hour (208) 322-1517

For utils

Cheryl Ward

12410374411 31426 711



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

JUNE 24, 1998

Legal Notices Department
Press-Tribune
P.O. Box 9399
Nampa, ID 83652

Dear Legal Dept.:

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 JULY 20, 1998.

Yours truly,

SUE TAYLOR
Secretary/Office Coordinator

Encl.

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SEP 22 1998

NOTICE OF APPLICATION FOR WATER RIGHT

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

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SEP 27 1998

63-12454

CROSSROADS ENTERPRISES INC
17671 OASIS RD
CALDWELL, ID 83605

Source: GROUNDWATER

Diversion Pt: LOT 3 (NENW) Sec 6 T 05N R 03W in CANYON County.

Use: DOMESTIC	(	0.200 CFS)
Total Diversion:	(	0.200 CFS)

Date Filed: 3/26/1998

In: CANYON County
T05N R03W S06 Lot 3 (NENW)

Water bearing zone to be appropriated for 1 existing and 2 proposed wells is from 190 to 200 feet for a RV park. Applicant agrees to mitigate consumptive use in the future as needed.

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SEP 27 1998

Permits will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec. 42-203A, Idaho Code. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Way, Boise, Idaho 83705 together with a protest fee of \$25.00 on or before JULY 20, 1998. The protestant must also send a copy of the protest to the applicant.

KARL J. DREHER, Director

Published: 7/ 2/1998 & 7/ 9/1998

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SEP 22 1998

WELL "B"

State of Idaho
Department of Water Resources

RECEIVED

MAR 26 1998

APPLICATION FOR DRILLING PERMIT
(FOR THE CONSTRUCTION OF A WELL)

Department of Water Resources

Owner (please print): Crossroads Enterprises Inc. - Russell Ward
Mailing Address: 17671 Oasis Road, Caldwell, Id, 83605
City: Caldwell State: Id Zip Code: 83605 Telephone: (208) 454-1995
Proposed Well Location: Twp. 5N Rge. 3W Sec. 6 440 1/4 NE 1/4 NW 1/4
Gov't Lot No. 3 County Canyon Lat. _____ Long. _____
Street Address of Well Site Same City _____
Lot, block and subdivision _____
Give at least name of road + Distance to Road or Landmark

per W.R. Appl. 6/18/98

Proposed Use of Well:

- ☐ DOMESTIC: The use of water for homes, organization camps, public campgrounds, livestock (1,000 head or less) and for any other purpose in connection therewith, including irrigation of up to 1/4 acre of land, if the total use is not in excess of 13 gpd; or any other uses, if the total use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

Domestic does not include water for multiple ownership subdivisions, mobile home parks, commercial or business establishments, unless the use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

NON-DOMESTIC:

- ☐ Irrigation
☐ Stock
(Over 1,000 Head)

- ☐ Municipal
☐ Test

- ☐ Industrial
☒ Other

Domestic - R.V. Park
(Describe)

☐ INJECTION

- ☐ MONITORING: A well bore schematic and map is required for each blanket permit.
No. of proposed wells: _____

Well Construction Information:

- A. ☒ New well ☐ Modify ☐ Replace

B. Proposed Casing Diameter 6" Proposed Maximum Depth 240'

C. Anticipated bottom hole temperature:

☒ 85°F or less
(Cold Water Well)

☐ 85°F to 212°F
(Low Temp. Geo. Well)

☐ 212°F or more
(Geothermal Well)

Construction Start Date: 4-1-98

- Anticipated Well Driller: Treasure Valley Drilling & Pump Co. Driller's Lic. No. _____
NOTE: The actual well driller must be identified prior to drilling.

Applicant's Signature: Roy B Johnson Date 3-17-98

Address (if different than owner): 9225 Chinden Blvd. Suite J, B

City: Boise State: Id Zip Code: 83714 Telephone: 323-7563

Title: Johnson Engineering - Project Engineer
(Owner, Firm Representative, Other)

SEP 22 1998

issued 7/22/98 per dbase 8/17/98 cz.

WELL "A"

State of Idaho
Department of Water Resources

RECEIVED

MAR 26 1998

APPLICATION FOR DRILLING PERMIT
(FOR THE CONSTRUCTION OF A WELL)

Department of Water Resources

1. Owner (please print): Crossroads Enterprises Inc. - Russell Ward
2. Mailing Address: 17671 Oasis Road, Caldwell, Id, 83605
City: Caldwell State: Id Zip Code: 83605 Telephone: (208) 454-1995
3. Proposed Well Location: Twp. 5N Rge. 3W Sec. 6 ~~NE~~ 1/4 NE 1/4 NW 1/4
Gov't Lot No. 3 County Canyon Lat. _____ : _____ : _____ Long. _____ : _____ : _____
Street Address of Well Site Same City _____
Give at least name of road + Distance to Road or Landmark
Lot, block and subdivision _____
4. Proposed Use of Well:

- ☐ DOMESTIC: The use of water for homes, organization camps, public campgrounds, livestock (1,000 head or less) and for any other purpose in connection therewith, including irrigation of up to 1/2 acre of land, if the total use is not in excess of 13,000 gpd; or any other uses, if the total use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

Domestic does not include water for multiple ownership subdivisions, mobile home parks, commercial or business establishments, unless the use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

- NON-DOMESTIC: ☐ Irrigation ☐ Municipal ☐ Industrial ☒ Other Domestic Commercial - RV Park
☐ Stock ☐ Test (Describe)
(Over 1,000 Head)

☐ INJECTION

- ☐ MONITORING: A well bore schematic and map is required for each blanket permit.
No. of proposed wells: _____

5. Well Construction Information:

- A. ☒ New well ☐ Modify ☐ Replace
- B. Proposed Casing Diameter 6" Proposed Maximum Depth 240'
- C. Anticipated bottom hole temperature:
☒ 85°F or less ☐ 85°F to 212°F ☐ 212°F or more
(Cold Water Well) (Low Temp. Geo. Well) (Geothermal Well)

6. Construction Start Date: 4-1-987. Anticipated Well Driller: Treasure Valley Drilling + Pump Co. Driller's Lic. No. _____
NOTE: The actual well driller must be identified prior to drilling.8. Applicant's Signature: Roy B Johnson Date 3-17-98Address (if different than owner): 9225 Chinden Blvd. Suite J, IDCity: Boise State: Id Zip Code: 83714 Telephone: 323-7563Title: Johnson Engineering - Project Engineer
(Owner, Firm Representative, Other)

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SEP 22 1998 issued 7/22/98 per dbase 8/17/98 cz.

JOHNSON ENGINEERING
9225 CHINDEN BLVD. SUITE J
BOISE, ID 83714
(208) 323-7563
FAX(208) 323-9004

RECEIVED

MAR 26 1998

Department of Water Resources

March 26, 1998

Mr John Carlson
State of Idaho
Boise, Idaho 83704

re: Country Corners Campground wells and water right

Mr. Carlson

Please find enclosed applications for the construction
of two wells and the water right as well as the proposed
specifications for the wells and a check for \$420.00.

Please let me know if you need other information.

Sincerely


Roy B. Johnson

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MAR 27 1998

WATER RESOURCES
WESTERN REGION

MICROFILMED

SEP 22 1998

Engineers Report
Attached

9
Contact person
63-12454

JOHNSON ENGINEERING
9225 CHINDEN BLVD. SUITE J
BOISE, ID 83714
(208) 323-7563 FAX(208) 323-9004

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MAR 26 1998

Department of Water Resources

Feb. 2, 1998

Mr Bill Freeman
Idaho Department of Health and Welfare
Division of Environment

Re: Public Water System Well Site Evaluation - Narrative

The site for these well is shown on the enclosed vicinity and site map. The site was chosen because of the proximity of the existing well and the location of the proposed office building and controls location.

The owners of the wells will be by the owners of the campground.

The site is sloped to the west at about 10% and has good access for the well drilling rig.

There are no floodways or flood plains at this site

Land use- West and North pasture, South is farm ground, East is sagebrush and farms.

The soils are generally sandy with several clay layers to the 200 foot depth. A well log near the site is included.

I expect about 50 GPM per well.

The well screen will be placed about 200 feet deep. The annular well seal will be Bentonite through a clay layer at about 80 feet.

The water quality is excellent in the existing well and there are no known contaminants within one mile.

There is one existing well near this site which will be used for irrigation and one well north about 400 feet as shown on the vicinity map.

There are no known recharge or injection wells within one mile.

The well is in a park area and not subject to sources of pollution.

The potential for these wells to be "GWUDI" is within the criteria to be considered likely however, there are several layers of clay material through which the water must pass to be able to enter these wells. It is unlikely that they will be affected by the ground water. Testing will be done to determine this.

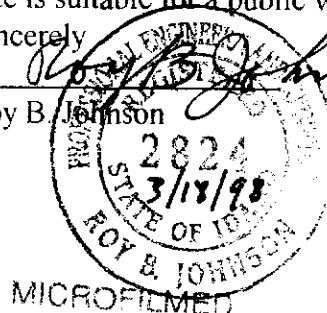
No other locations were considered.

It is my professional opinion that this site is suitable for a public water supply well.

Sincerely

Roy B. Johnson

CA:\OFFICE\WPWIN\WPD\DOCS\CCCC\WLSIT.DOC



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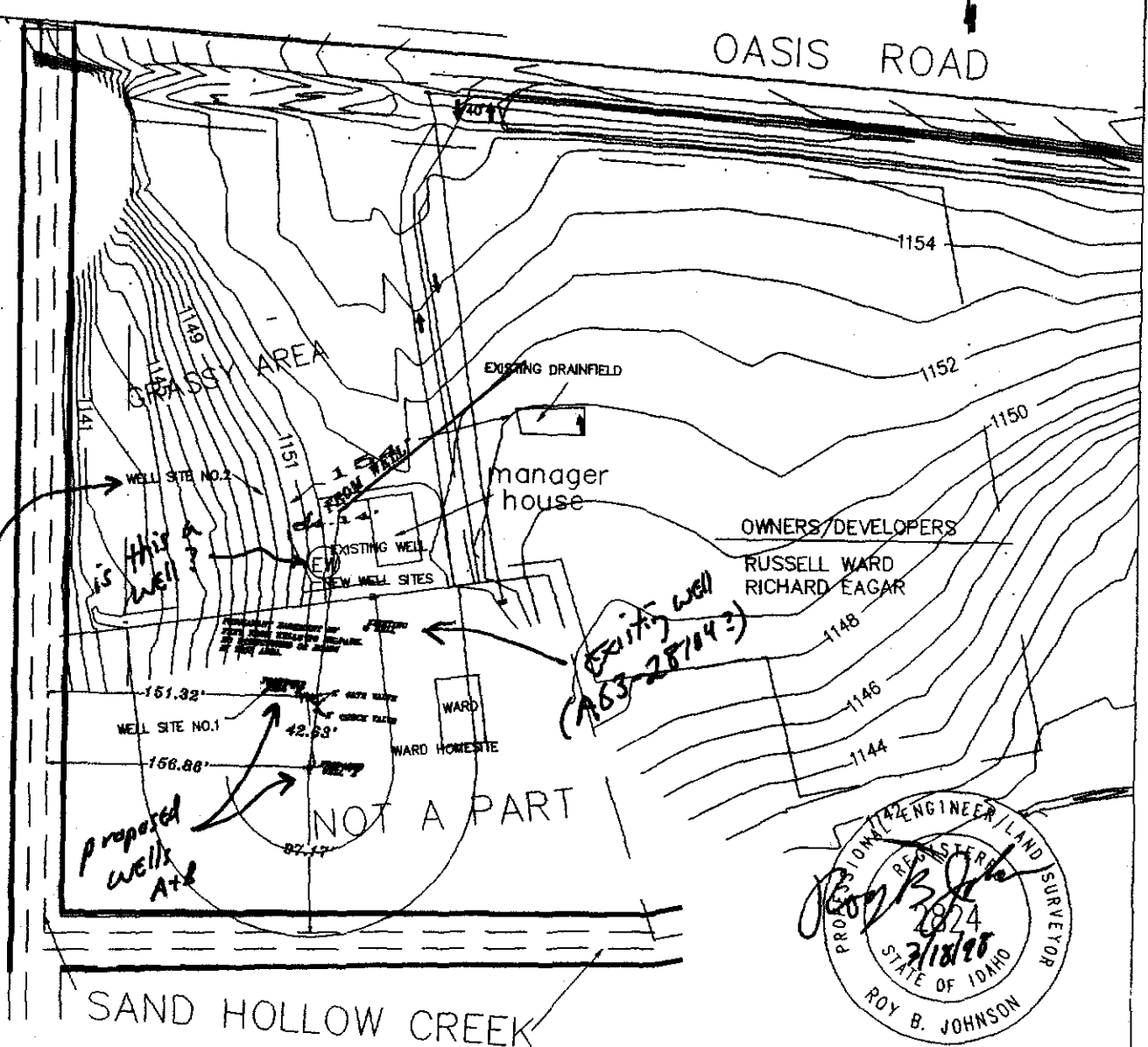
SEP 22 1998

190'-200'
per 6/11/98
letter

- w.b. zone
100-200' - see
p. 12, Aiko
- 8

States 2 existing wells
but map (west AS)
shows 1 exist well
just N. of proposed
well site B.
- JR 6/18/98

WELL SITE DRAWING
 COUNTRY CORNERS CAMPGROUND
 CUPM #974316L9-3N-2W
 SITE LOCATION: 17701 OASIS ROAD
 NW 1/4 SECTION 6, T.5 N. R. 3 W., B.M.
 CANYON COUNTY, IDAHO



notes by
 6/18/98
 R

WELL SITES

DRAWN BY: R.B.J.	DATE 1-23-98	PROJECT:
CK'D. BY: R.B.J.	SCALE 1"=100'	COUNTRY CORNERS CAMPGROUND
APPROVED		MICROFILMED
		SEP 22 1998
		DRAWING NAME 90: SANDHOL WELLSITE.DWG
		SHEET 1 OF 1

SPECIFICATIONS FOR A WATER SUPPLY WELL
COUNTRY CORNERS CAMPGROUND
CANYON COUNTY, IDAHO

The work to be conducted is to drill a community supply well for Country Corners Campground in the NW 1/4 of Section 6, T.5N., R.3W., B.M., Canyon County, Idaho. The work to be conducted will consist of drilling a ten (10) inch diameter hole from land surface to 80 feet below land surface, but far enough to enter into the hard clay layer. A six (6) inch diameter, steel casing, 1/4" inch wall thickness, will be installed in the ten (10) inch overbore, centered, and the annular space between the steel casing and the formation wall will be filled with bentonite to provide a water tight seal between the steel casing and the surface of the ground. A temporary 10" casing may be necessary to insure an open hole. Bentonite chips shall be placed in this space and tagged every 5 feet or less and a volume check at each of these tagged elevations. The volume of bentonite must be measured as the 10" temporary casing is removed. This should require 2.5 bags per 5 foot section. This process must be logged during installation. The project engineer shall be present during this process. The steel casing top will be terminated 18 inches above land surface and at completion of the well will be covered by a water tight cap.

A six (6) inch diameter hole will be drilled from the bottom of the 10" hole to approximately 200 feet below land surface to accept the permanent casing. The well shall be equipped with a measurement port so as to allow access to the casing for measurement of Drayton and water levels. The measurement port shall be sealed in such a manner so as to prevent the possibility of contamination of the water supply.

All "downhole" material must be disinfected with 500 ppm chlorine before use.

All welding procedures will be in accordance with IDWR.

Upon completion of the well drilling, the well shall be developed using an air lift well rig and it shall be disinfected before collecting any samples for determining microbiological quality or quantity test pumping. Disinfection shall be done by placing a chlorine solution into the well so that a concentration of at least 50mg/l of available chlorine exists in all parts of the well at static conditions. All the well surfaces above the static level shall be completely flushed with the solution. The solution shall remain in the well a minimum of twenty four (24) hours before pumping the well to waste.

Both wells will be test pumped simultaneously upon completion for 8 hours to determine the long term characteristics of the water table. Measurements of Drayton and flow will be taken every hour. The project engineer or his representative shall be present for this test.

Upon completion of the test pumping, samples will be taken from each well for testing as required by DEQ.

Upon completion of the chlorination procedure, the well shall be covered with a water tight cap so as to prevent contamination and entrance to the well by unauthorized persons.

The following is added as required by the Idaho Department of Water Resources (IDWR)

1. The drilling permit does not represent a right to divert and use the water of the State of Idaho.
2. If the bottom hole temperature is 85° F (29.44°C) or greater is encountered, well construction shall cease and the well driller and the well owner shall contact the IDWR immediately.
3. Idaho Code, S 55-2201 - 55-2210 requires the applicant and/or his contractors to contact "Digline" (Digline is a one-call center for utility notification) not less than 2 working days prior

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SEP 22 1998

to the start of any excavation for this project. the "Digline" Number for your area is 1-800-342-1585.

4. The uppermost unconfined aquifer shall be cased and sealed to exclude water from this zone from entering the well. All seals will be placed from the bottom up.

5. The project engineer or geologist will be on site during seal placement should any peculiarities arise which require further evaluation. Any alteration of the proposed or herein modified well construction procedure shall be approved by the IDWR before they are undertaken.

6. If after the commencement of drilling a construction problem develops, another means of seal placement or seal material may be approved after the IDWR has had an opportunity to review proposed changes. A 24 hour review period will be provided for department personnel should said changes become necessary.

7. Drilling fluids shall be mixed with water which meets or exceeds drinking water standards.

8. The screened, perforated, filter packed or otherwise open and commingled strata which are to produced from, shall be of similar hydraulic head, temperature and quality. If there are notable variations encountered as the well is drilled and/or developed, the IDWR will be notified for evaluation.

9. The supply line is connected to the pump column below ground level. A pitless device will be utilized which provides a water tight seal through the casting. The pitless will be tested according to the means described by the U.S. EPA manual EPA-430/9-74-007. The test will be run in the presence of the engineer designing the surface distribution of the system.

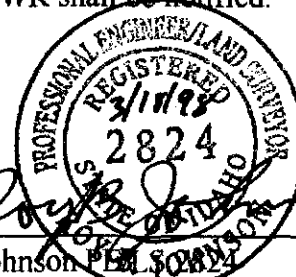
10. Reference drilling specifications of the American Water Works Association Standard for Water Wells (ANSI/AWWA A100-90) and the Recommended Standards For Public Works (Greater Lakes Upper Mississippi River Board of States Public Health & Environmental Manager 1992).

11. The construction location of this well will be at a site approved by the Division of Environmental Quality.

12. Aquifer testing will follow accepted measurement frequencies (ie if a standard Drayton test is performed measurements should be made so that at least eight observations during each log cycle of time).

13. Disinfection of the well shall be done with drilling equipment on site.

14. Fifteen minutes after the start of any pumping interval, the sand content of a well shall not be more than five (5) parts per million. Sand pro shall be measured by a centrifugal sand sampler or equivalent. If sand production exceeds five (5) ppm, the IDWR shall be notified.


Roy B. Johnson

CULINARY WATER WELLS

WORK INCLUDED

- A. Furnish all labor, materials and equipment as required to drill, case, seal, develop, Disinfect well and equipment, and complete the Water Supply Well as shown on the recommended well design. The desired long-term production from the well is 50-100 gpm at an estimated pumping level of 200 feet. The Contractors drilling method and equipment should be able to accommodate such flow. *See ps 12*
- B. Develop well by surge pumping an/or over pumping.
- C. Test well for capacity and Drayton by pumping for a period of 8 hours as directed by the Engineer.
- D. A sanitary well seal in conjunction with a brass pitless adapter shall be installed at the top of the well casing to prevent contaminated water or other material from entering the well.

REFERENCES

- A. ASTM A-53 Specification for pipe, steel, black and hot dipped zinc coated, welded and seamless
- B. Department of Water Resources of the State where the work is to be completed Rules and Regulations for Well Construction Standards.
- C. Regulations for Public Drinking Water Systems of the State where the work is to be Completed.
- D. AWWA C654-87 Disinfection of wells.

PROJECT RECORDS

- A. RECORDS The Contractor shall keep and maintain at the site accurate and complete daily records of the well construction and progress of the work. Any format which the Contractor prefers to use will be accepted provided that it contains the required information. These records will be made available for inspection or review to the OWNER or ENGINEER on a daily basis. Following are the records that must be kept and furnished to the OWNER or ENGINEER upon completion of the project.
 - 1. Driller's log: The drillers log shall include all information pertinent to the well construction and the progress of work. The driller's log should be a running account which includes drilling times and bit penetration rates, quantities and types of materials, additives and chemicals used, special or peculiar events, etc.

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2. Materials Log: The Contractor shall keep a record of depths from surface or reference level agreed upon by ENGINEER of the assembled order, number, type, size, lengths, weight, class, and grade of the individual pieces of casing, grout, and other items placed in the well.
3. Material Certificates: Manufactures' and suppliers' certificates or invoices for all materials delivered or services rendered to the job site shall be maintained. The certificates or invoices shall describe the material delivered including weight, class or grade, quantity, unit cost, etc.
4. Drilling Samples: Representative drill-cuttings shall be taken and logged for the following conditions:
 - a. At every formation change.
 - b. Every five feet to the total depth of the well.

Drilling samples shall be saved and maintained on the job- site by the Contractor. Samples of at least one pint size shall be kept in gallon sized "Zip-Lock" type, 4-mil clear plastic freezer bags to be provided by the Contractor, and shall be clearly marked with waterproof ink to show depth of sample collection.. Grain size analysis will be coordinated and conducted by the ENGINEER. The samples shall not be washed in any way to remove the fines.

- B. In addition to the requirements specified above, the Contractor shall include on The log the following information at a minimum:

1. Record of all subsurface materials encountered and estimate of water Yield from each water bearing zone.
2. Daily record of any over night mud losses, change in mud level, or loss of Mud circulation during drilling.
3. Depth and size of casing installed.
4. Additional information as required by the Well Drillers Association and Idaho Department of Water Resources.

PROTECTION

- A. Temporary capping: Provide a fixed temporary cap over the well when the well is unattended.
- B. Water Quality: Do not allow contamination of well with surface water, gasoline, oils or other contaminants.

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PRECONSTRUCTION CONFERENCE

- A. A preconstruction conference will be held with the driller, owner, and engineer, prior to well construction to discuss the drillers equipment, proposed method of construction, logging requirements, geophysical testing, schedule and other specified requirements.

WELL DRILLING COMPLETION

- A. Upon completion of the well the contractor shall provide a diagram showing the depth of the well, a casing and screen schedule including the dimensions and the pattern and size of perforations.
- B. The depth to the water bearing strata is not exactly known, but is estimated to be approximately 100 feet.
- C. The Contractor shall guarantee that the well when completed shall be sufficiently Straight and plumbed to permit the free installation and operation of a submersible pump regularly built for a six-inch casing.

190-200'
per 6/11/88
Keller
To water bearing
zone e 100-
200' ?
-H

CHLORINATION OF PERMANENT EQUIPMENT AND MATERIAL USED IN WELLS

- A. All permanent equipment and material to be installed in the well shall be chlorinated just prior to its installation. This shall be done by dusting all exposed areas of the items with calcium hypochlorite powder or by spraying such areas with a solution having a chlorine residual of not less than 200 mg/L.

CHLORINATION OF WELL AFTER PERMANENT EQUIPMENT IS INSTALLED

- A. After permanent equipment is installed, the well shall be chlorinated by (1) treating the water in the well casing to provide a chlorine residual of approximately 50 mg/L, (2) circulating the chlorinated water within the well casing and pump column, and (3) pumping the well to waste to remove chlorinated water.
1. The water in the well casing shall be treated with chlorine to give an average chlorine dose of 50mg/L to entire volume of water in the casing. This may be done by using calcium hypochlorite tablets or sodium hypochlorite solution.
 2. If calcium hypochlorite is used, dribble tablets of approximately 5-g size down the casing vent and wait at least 30 minutes for the tablets to fall through the water and dissolve. If sodium hypochlorite is used,

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the solution must reach all parts of the well. Suspend a tube through the well-casing vent so that it reaches the bottom of the well; then withdraw the tube as the sodium hypochlorite solution is pumped through the tube.

3. After the chlorine has been applied, surge the well at least three times to improve the mixing and induce contact of the chlorinated water with the adjacent aquifer. Allow the chlorinated water to rest in the casing for at least 12 hours, but not more than 24 hours.

GENERAL

- A. Furnish all new materials for construction.
- B. Store well casing to protect from contamination by gasoline, oils, animals, etc.

WELL CASING

- A. CASING: All casing shall be new, plain-end mild steel pipe of standard weight and wall thickness (ASTM A-53, Grade A) for the specified diameter (minimum wall thickness of .250). Casing joints are to be welded with full-penetration welds made by properly-qualified operators. Centralizers shall be used to center casing. Centralizers shall not be spaced more than 50 feet apart.
- B. Screen: All screen shall be 304 stainless steel, continuous wire-wrap of standard strength (X - strong or XX - strong are not necessary). Any manufacturer will be acceptable provided that inside diameter is at least 5". Slot opening will be determined from grain - size analysis of drill cuttings and screen can be welded to mild steel casing using appropriate electrode. Weld rings shall be stainless steel, weld rod shall be suitable for joining material so as not to reduce corrosion resistance. Weld rod selected must be approved by ENGINEER. Centralizers shall be used to center screen assembly in bore hole and in the casing. The uppermost blank casing shall be equipped with Centralizers to ensure uniform annulus between screen assembly and the casing. Centralizers shall not be spaced more than 50 feet apart throughout the screen assembly.
- C. BENTONITE SEAL: High - solids bentonite grout (not less than 30% solids) or granular bentonite shall be used as sealer and it shall be placed according to conditions encountered during drilling and shall be in accordance with the Idaho Division of Environmental Quality requirements for culinary water wells, and well construction standards of the I.D.W.R. The top 80' of the well shall be sealed. The project Engineer shall witness the placement of the seal material.

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GENERAL

- A. General: Drill well at the location shown on the vicinity map and to the depth and diameter as indicated in the recommended well design in Attachment. Final depth will be based on conditions encountered during drilling.
- B. Licensing: The Contractor shall be licensed to drill and construct water supply wells under current State of Idaho regulations. The Contractor shall specify, in the Bid, the proposed drilling method and the manufacturer, type, and size of equipment to be used. All equipment shall be in good condition and properly maintained. Measurement of payment for services shall be based on the actual length in linear feet of the hole drilled, well completed or other appropriate unit costs.
- C. Drilling Method: The desired drilling method for the proposed well is the air-rotary method.
- D. Well Protection: The contractor shall, at all times, maintain the operations in such a manner as to best protect the well and any open hole from sloughing, caving, or other situations that may cause difficulty in completing the well, damage to the borehole, or degradations of water quality.
- E. Equipment: The Contractor shall, immediately upon signing the Contract, and continuing uninterrupted with reasonable dispatch, furnish the necessary machinery, maintenance, labor, supplies, and materials for the drilling, construction, and development of the well in accordance with these specifications, "Well Construction Standards" published under rules and regulations of the Idaho Department of Water Resources, and the "Manual of Water Well Construction Practice," EPA 570/975-001.
 - 1. Prepare the site for drilling rig, excavate necessary pits for drill cuttings, etc., and maintain a road suitable for travel to and from drill rig.
 - 2. Mobilize drilling rig to the well site and set up rig.
 - 3. Provide drill bits, drill collars, drill pipe, and all incidental equipment necessary to drill and construct the well.
 - 4. Provide power for rig.
 - 5. Provide drilling fluid (and chemicals, if applicable,) and monitor fluid properties daily.
 - 6. Provide and deliver clean water to drilling site as needed. Star Sewer and Water District water district water is available within 200 feet of the site, provided the Contractor make arrangements with the District prior to using the water.

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- G. Utilities and Sanitation: The Contractor shall be responsible for furnishing or arranging for electricity, water conveyance, or other utilities required during construction of the well. The Contractor shall furnish approved toilet and any other sanitary facilities for Contractor personnel at Contractors own expense.
- H. Recovery of Tools: The Contractor shall not be entitled to any payment for time spent or expense incurred in attempting to fish or recover tools or equipment lost in the well nor for time spent or expense for successful recovery of such lost tools.
- I. Abandonment: If the Contractor fails to complete the well to the required depth, or abandons the well because of loss of tools or equipment or other reasons, or if the well does not meet plumbing and alignment requirements, the Contractor shall, if directed, abandon the well according to applicable requirements of the Idaho Department of Water Resources, and salvage any casing or other material. Salvaged casing or materials shall be borne solely by the Contractor and no payment shall be allowed for any work or material on the abandoned well but shall be applied to a subsequent well.
- J. Disposal of Water: The Contractor shall not dispose of water or drilling fluids outside of drilling fluid pits without approval of the OWNER or ENGINEER. If requested by the OWNER or ENGINEER, the Contractor shall construct such ditches, piping, dikes, etc. as may be required to control or dispose of discharged water and drilling fluid.
- K. Protection of Water Quality: The Contractor shall take necessary precautions to prevent any contamination of the water in the well from foreign substances, such as drilling fluid additives, contaminated water, diesel, gasoline, oil, etc. All drilling equipment shall be decontaminated and/or disinfected using high pressure steam and appropriate detergents prior to commencement of work. Fluid leakage from equipment that could impact water quality in the well will not be permitted.

SITE WORK

Site work shall include, but not be limited to the following:

- A. Prepare the site for drilling rig, excavate necessary pits for drill cuttings, etc., and maintain a road suitable for travel to and from drill rig. Excavated mud pits will be lined with polyethylene sheeting to prevent caving.
- B. Mobilize drilling rig to the well site and set up rig.
- C. Provide drill bits, drill collars, drill pipe, and all incidental equipment necessary to drill and construct the well.
- D. Provide power for rig.

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E. Provide drilling fluid (and chemicals, if applicable,) and monitor fluid properties daily. Marsh funnel and frilling fluid balance shall be maintained by the Contractor on site.

F. Provide and deliver clean water to drilling site as needed.

WELL DRILLING

- A. Drill well in accordance with the requirements of the Department of Water Resources "Well Construction Standards", of the State where the work is to be completed.
- B. Location: See Drawings for well location.
- C. Well Plumpness and Alignment: The well when completed shall not deviate from vertical more than one degree (1) per 50 feet, and shall not deviate from vertical more than three degrees (3) from ground surface total depth. Surveys to determine well plumpness shall be conducted at the discretion of the OWNER or ENGINEER. Specifications and compensation for which surveys will be determined on a case by case basis and will be established in writing prior to the time such surveys are conducted. After the casing is set and cemented, and alignment dummy or pump having a diameter that is one (1) inch less than that of inside pump chamber will be required to pass through the total length of the pump chamber to verify alignment. Plumpness and alignment surveys shall be by methods and instruments approved by the OWNER or ENGINEER. No additional payment will be made for any additional work required by the Contractor in redrilling or straightening the well. Such work, if required, shall be at the Contractors sole expense.
- D. Drilling operations:
1. Provide cement, foam, drilling fluids, and all incidental chemicals necessary to maintain borehole integrity during drilling and well construction activities.
 2. Provide, deliver, and install appropriately sized well screen and centralizers.
 3. Provide all necessary special tools and miscellaneous equipment.
 4. No additives, chemicals, or materials shall be added or introduced into the well without the approval of the engineer.

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WELL SEAL

- A. Provide and install well casing and seals as shown on plans.
- B. Seal annular space between formation and well casing with bentonite according to the requirements of Section 3.3 - Sealing of Casing, of the Department of Water Resources Rules and Regulation for Well Construction Standards Following development of the well provide a protective cover which meets the requirements of the state where the work is to be completed.
- C. If a waiver of any of the well construction standards is requested, obtain waiver in writing from the Department of Water Resources.

WELL DEVELOPMENT

- A. Upon completion of drilling, casing and screening, the well shall be cleaned and developed as directed by the OWNER or ENGINEER, using the air-lift, surging, jetting and/or over-pumping methods. Air-lift development will be conducted using the appropriately sized educator line and air line. The air compressors, pumps, educator line, fittings, etc. shall be of adequate size to develop the Back-up Well at discharge rates up to 100 gallons per minute. Equipment that is not capable of achieving the desired rates will be rejected by the OWNER. The Contractor shall develop the well until the well yields clear water of stable chemical quality that is free of sand, residual drilling fluids and other debris. Final development shall be conducted using a submersible pump to over-pump the well. Over pumping shall occur prior to pumping tests, but may utilize the same test-pump equipment.
- B. The test pump shall have no check or foot valve so that backwash occurs when the pump shuts down. The Engineer will direct the Contractor to restart the pump at a higher discharge. This surging procedure will continue until the Engineer determines that development is complete. Any sand damage to the test pump will not result in additional cost to the Owner.

TEST PUMPING

- A. The objective of this specification is to conduct step-Drayton and constant-rate discharge pumping tests of the new well. Data obtained from these well tests performed by the Contractor will provide information necessary to determine total capacity of the well, aquifer characteristics, well efficiency, pumping rates, pump installation, depth settings, and other information which will be of assistance in long-term operation and maintenance of the well. The well water discharge may be diverted to the near-by drainage ditch. The Contractor shall furnish the following necessary materials, supplies, equipment, labor, fuel, and transportation to perform the pumping tests:

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1. Mobilization and demobilization of equipment and crew.
2. Provide and install: pumps, power cable, discharge lines, stilling pipe, air-line, and measuring tube (one-inch) for electric tape access.
3. Provide and install discharge pipe and/or ditches to convey discharge water to approved discharge point away from well head.
4. Provide and install power source, including electrical generator, wiring and cable, control box, and pump panel.
5. Provide and install water meters, including orifice weir, or in-line flow meter and any related equipment necessary to obtain accurate measurement of discharge flow rate. Accuracy of the median value within the range specified for the equipment.
6. Final Well Development using the over-pumping technique at 1.5 to 2 time design capacity (up to 100 gpm) for a period of 8 hours, including step testing.
7. Step-Drayton test and recovery.
8. Constant-rate discharge test and recovery.
9. Night lighting.
10. Valves and throttling devices.
11. Driller present while discharge is in progress.
12. Step-Discharge Tests: Step-Drayton tests will be conducted under the supervision of the ENGINEER according to established test procedures. The tests will be performed prior to the constant-rate discharge test. Step testing will be conducted over an 8-hour period using four steps. Step discharge rates will be set at approximately 25, 50, 75, and 100 percent of design capacity of the well.
13. Discharged Water: Discharged water shall be conducted from the well to a point designated by the OWNER or ENGINEER through a discharge line or approved ditch.
14. Aborted test: Failure of pump operation due to faults of the Contractor or Contractor's equipment prior to completion of the tests may require suspension of the test until the water level of the pumped well has recovered completely. Recovery shall be considered complete after the well has been allowed to rest for a period of at least equal to the elapsed pumping time of

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the aborted test, or until appropriate recovery as determined by the ENGINEER. If a test has been determined aborted, the Contractor shall, at Contractor's own expense, re-run the entire portion of the test that occurred prior to interruption of pumping, including but not limited to compensation to OWNER for recovery and re-run costs up to the point where pumping test was aborted.

15. Loss of Equipment and Tools: Contractor shall be responsible and assume full liability for loss or damage of any of its tools or equipment during the effective time of the Contract.
- B. Provide required piping to dispose of water without causing damage to neighboring facilities.
- C. Provide equipment for measuring flow rate and water-level in the well.
- D. Provide tap at well-head to obtain water-quality samples near end of constant rate discharge test.

SPECIAL PROVISIONS

- A. Loss of Equipment and Tools: Contractor shall be responsible and assume full liability for loss or damage of any of its tools or equipment during the effective time of the Contract.
- B. Personnel, Equipment and Experience of Contractor: The Contractor shall supply capable, experienced personnel and well-conditioned, suitable equipment to perform the work described herein. The OWNER or ENGINEER retains the option to review the capabilities and experience of the personnel proposed for the work. If during the progress of the work, the OWNER or ENGINEER determines that any Contractor personnel are not suited for the work, they may have that personnel replaced at the Contractors expense.
- C. Loss of circulation: In the event of loss of circulation, partial loss of circulation, water flow, abnormal pressures, or other similar condition which makes drilling abnormally difficult or hazardous, causes sticking of drilling pipe or casing, or other similar difficulty which precludes the continuation of drilling under reasonably normal procedure, Contractor shall, in all such cases, without undue delay contact the ENGINEER and exert every reasonable effort to overcome such difficulty.

ABANDONED WELL/UNACCEPTABLE WELL

- A. Abandoned Well: If the well fails to meet the OWNER'S needs, but the Contractor has faithfully fulfilled Contractors obligation under this Contract, the OWNER may direct the Contractor to abandon the well. The Contractor shall be paid for all

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materials furnished and services performed to that point in time under the conditions. Negotiations between the OWNER and contractor shall determine additional payment for any salvaging of materials and sealing of the well

- B. Unacceptable well: If the well fails to meet the OWNER'S needs because the work has not conformed to the Specifications, and if the Contractor is unable to correct the condition at Contractors expense or negotiate a mutually acceptable cost reduction for the deviations from the Specifications, it shall be considered an unacceptable well. The unacceptable well shall be treated as follows:

1. The Contractor may salvage as much casing and other materials from the well as possible during approved abandonment procedures. Any salvaged materials shall remain the property of the Contractor.
2. No payment shall be made for work done on an unacceptable well nor for the salvaging of materials and backfilling and sealing of the hole.

AREA CLEAN-UP

- A. Clean up and remove all well-cuttings drill mud, and other materials removed from the well and dispose of at a location approved by the Engineer.
- B. Clean well area of all debris, unused materials, casing, temporary drainage facilities, or other items resulting from or used for the drilling, developing or test pumping of the well.
- C. Repair any damage done to street, sidewalk, canal, ditch or landscaped areas, and restore the site to its original condition.
- D. Completion and cleanup: Unless otherwise directed, the Contractor shall cap the well with a welded steel plate of minimum 0.25-inch thickness. The well-site area shall be left in a neat and orderly manner, as directed by the OWNER or ENGINEER, including removal of all trash and expendables, filling of all pits, leveling of pads and restoration to original contours.

OWNER FURNISHED ITEMS

- A. The OWNER shall provide legal ingress to and egress from the site (access agreement with landowner).
- B. The well permits and ground-water use permits required by the State of Idaho shall be secured by the OWNER.
- C. The OWNER or ENGINEER will inform the Contractor of its knowledge of

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hazardous conditions at the site.

- D. The ENGINEER shall be responsible for collecting, documenting, and analyzing water quality samples at appropriate times during the construction, development and pump-testing activities.

CONTRACT GENERAL OBLIGATIONS.

- A. The Contractor shall be responsible for the preparation of suitable drilling pads and maintenance of access roads to and from the well site.
- B. Upon completion of the well, the Contractor shall regrade and reclaim the work areas. All other drilling site clean up is also the responsibility of the Contractor.
- C. The Contractor is to be thoroughly knowledgeable about the materials and construction practices described in these Specifications. The Contractor shall have a copy of the Specifications on the Site at all times.
- D. Any suggestions by the contractor for modification of specified materials or alternative methods for accomplishing any of the Work items are welcome. Any obvious errors, deficiencies, or omissions in these Specifications shall be brought to the attention of the OWNER or ENGINEER before commencement of the Work.
- E. All Work will be under the technical supervision and inspection of the OWNER or ENGINEER. The Contractor shall accept any decisions and instructions of the OWNER or ENGINEER.
- F. The Contractor shall use all reasonable measures to prevent the entrance of any foreign matter into the well at all times during the Woks. The Contractor shall be responsible for any objectionable material that may fall into the Well and its consequences prior to the completion of the well and its acceptance by the OWNER.
- G. The Contractor shall, within reason, make every effort to protect the environment of the site. All garbage and debris shall be placed in appropriate containers and removed periodically from the site by the Contractor.
- H. The Contractor shall instruct all personnel that firearms, acholic beverages, and controlled substances are not allowed on the site. The Contractor shall be responsible for the consequences if this directive is not met.
- I. The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions for the safety of Contractors personnel. The Contractor shall take all necessary precautions for the safety of any shall provide all necessary protection to prevent damage, injury, or loss to all employees on the site and other persons who may be affected.

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SUBSTITUTIONS, MODIFICATIONS, CHANGE ORDERS

- A. It is the responsibility of the Contractor to fully adhere to the provisions of this section and to inform each prospective subcontractor or supplier of materials of these provision.
- B. Requests for Substitutions, Modifications or Change Orders may be initiated by the OWNER, ENGINEER, or Contractor and may be necessary, depending on site-specific drilling conditions. Unless in compliance with the procedure outlined in item 3 below, the Contractor shall furnish the materials and provide the services exactly as described in the Specifications.
- C. Any suggestions by the Contractor for modification of specified materials or alternative methods for accomplishing any of the Work items shall be submitted in the following form.
 - 1. A detailed verbal or written description, brochure, or drawing covering the proposed substitution or modification.
 - 2. A summary statement which sets forth the benefits or advantages of the proposed substitution or modification.
 - 3. A recommendation and explanation for any changes in the Specifications required by the proposed substitution or modification.
 - 4. An alternate or optional cost proposal for the substitution or modification, in addition to the price Schedule A, as specified herein.
- D. The OWNER or ENGINEER shall review all suggestions and shall either accept or reject each suggestion.
- E. Any substitution, modification, or change order must be signed by the OWNER and the Contractor to be made part of the Contract and Work Specifications.
- F. No substitutions or modifications will be allowed unless authorized in writing by the OWNER or ENGINEER.
- G. The Contractor shall be solely responsible for correcting any situation resulting from an unauthorized substitution.

PITLESS ADAPTERS FOR WELLS

PRODUCTS

GENERAL

- A. Equipment furnished must be NSF or approved by the Pitless Adapter Division of the Water System Council. The Pitless adaptor shall be "Midwest Dickens" brass construction.
- B. Pitless adapters are to be water tight including cap, cover, casing extension and other attachments.
- C. Installations must be provided with sample tap.
- D. Pitless adapter is to have an approved well vent.
- E. Pitless adapter is to be of materials and weight at least equivalent and compatible to the casing.
- F. The pitless unit shall have an inside diameter as great as that of the well casing.

EXECUTION

GENERAL

- A. The pitless adaptor will be tested according to the means described by the U.S. EPA manual EPA-430/9-74-007. Provide certification of said testing.
- B. After the well is complete and tested, install adapter according to the manufacturer's directions.
- C. Reseal around well according to the requirements of Rule 15 of the Well Construction Standards.

DISINFECTION OF WELLS

GENERAL

REFERENCES

- A. AWWAA100 - Deep Wells
- B. AWWAC654-87 - Disinfection of Wells
- C. AWWAB300 - Hypochlorite

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DISINFECTION OF CULINARY WELLS

- A. Use one of the methods defined under AWWA100, "AWWA Standard for Water Well," Section 11, Disinfection (as approved by the Engineer).
- B. The Engineer will notify the Contractor if defects in materials or methods require correction.
- C. Do not start disinfection until the well is thoroughly cleaned.
- D. Use a disinfecting solution containing a minimum of 50 ppm residual chlorine.
- E. Sample and test well water for bacteriological quality.
- F. Dispose of disinfecting solution in a manner approved by the Engineer.

BACTERIOLOGICAL TEST @ TIME PRODUCTION PUMP IS INSTALLED

- A. Take no samples for testing sooner than 24 hours after the disinfection of the system.
- B. Take water samples at each of the locations, as directed by the Engineer.
- C. Analyze water samples in accordance with the Department of Health and Welfare requirements of the State where the work is to be completed.
- D. If bacteriological test proves water quality to be unacceptable, repeat disinfection procedures.
- E. The well will not be accepted or placed into service until a negative bacteriological test is made on water taken. Disinfecting will be repeated as necessary, as no cost to the Owner, until a negative test is obtained and a copy of the negative bacteriological test is provided to the Engineer.