

IDAHO
ADA
BOISE WARM SPRINGS
WATER DISTRICT-DOE
SE SW.

12-3n-2e B
WILDCAT GW

3 BSWD
API 04-001-90010 (PI)

600. El: 2785 GR.
(Sec chgd fr 13; PD chgd fr 500).
Contr: Engelman (cable tools). 20 @ 30. Spud 1-11-81, 16 @ 175,
drld to 342, ran temperature survey, temperature @ 342: 120 deg F, drld to
475, ran logs, ran temperature survey, temperature @ 475: 150 deg F, static
fluid level 95.5, drld to 500, pump tstd sub-commercial amt of wtr, 110-115
deg F, drld to 588, rr 6-16-81, TD 588 (Cenozoic Volcanics).
...Temperature observation well, comp 6-16-81.

ID2-073181



Petroleum Information.
CORPORATION

A Subsidiary of E. I. du Pont de Nemours & Co.

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6102501

IDAHO
ADA
BOISE GEOTHERMAL LTD 1 Boise
nw ne. API 11-001-90011 (P1)

11-3n-2e B
WILDCAT GWD

2000. EI: 2750 GR.
(Location changed from nw ne nw).
Contr: Holman. Spud 3-24-81, 12 @ 874, drld to 2010, ran logs, flow
tsld, flowed unprtd amt wtr, temperature increased fr 130-160? F, rr
4-17-81, TD 2010 (Cret). . . . Direct use well, comp 4-17-81.

ID1-073181



Petroleum Information.

INCORPORATED
A Division of P.I. Service Company

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SUB FILE GEOTHERMAL LISTING

02 N 41 E 28	2	50202	404AKAH	PERF	W/	2/FT	4897-	4909	010
		50302	404DRCK	PERF	W/	4/FT	4739-	4743	011
		50402	404DRCK	PERF	W/	4/FT	4739-	4743	012
		50502	404DRCK	PERF	W/	4/FT	4739-	4743	013

02 N 41 E 30	30	10002					0369234810916361	0369243610916313		
		10010	001 20204178				9999950 911306ANTH		6750375	
		10021	TWP N 41 RGE E	30	SEC	30	26GILA & SALT RIVER			
		101	ARIZ APACHE	A	860	FSL	2310 FEL NH SW SE WF	WF		
		102	NORTHWEST PIPELINE				1 JUDY LEE			
		103	5466 GR				HILOCAT			
		104					API 02 001	20204 00		
		105	SPUD 12/19/1974	COMP	01/26/1975	ROTARY		D&A-G		
		107	DTD 6750				FM/TO 306ANTH			
		40101	DST 01	5078-	5167	404DRCK			5002	
		40102	OVERLAPS	404ISMV						
		40131	FINAL OP	1H	IFP	140	FFP	256	BHT	116F
		40201	DST 02	6480-	6555	306MCK				5003
		40231	FINAL OP	1H	IFP	140	FFP	279	BHT	123F
		40301	DST 03	6698-	6750	306ANTH				5004
		40331	FINAL OP	1H30M	IFP	426	FFP	955	BHT	136F

11 N 6 W 5 24	10002						0438446311688408	0438446311688408	
	10010	075 20001212					1270550 901000UNK		11963477
	10021	TWP N 6 RGE W	5	SEC	24	29B01SE			
	101	IDA PAYETTE	A	1650	FNL	2310 FNL NE-SE-NW	WF	WF	
	102	STANDARD OIL OF CALIF					1 HIGHLAND LIVESTOCK		
	103	2647 KB 2631 GR					HILOCAT		
	104						API 11 075	20001 00	
	105	SPUD 03/09/1973	COMP	06/26/1973	ROTARY			D&A-G	
	107	DTD 11963					FM/TO 000UNK		
	40101	DST 01	7388-	7423					5107
	40110	GAS TS IN	0H38M				/NO GAUGE/		
	40131	FINAL OP	1H06M	IFP	1480	FFP	2841	BHT	382F
	40201	DST 02	11850-	11935					108
	40231	FINAL OP	0H03M	IFP	1579	FFP	2200	BHT	300F
	40301	DST 03	11813-	11935					MISRUN 109
	40331		IFP	2964	FFP	2528			

TWO WELLS

TOTAL FOR IDAHO

075-20001

✓ 194°C @ 2,257 m

11 S 4 E 8 25	10002						0430740311547102	0430740311547102	
	10010	039 20001150					9999950 900109PCMB		9678973
	10021	TWP S 4 RGE E	8	SEC	25	29B01SE	MERIDIAN		
	101	IDA ELMORE	A	1830	FSL	1980 FSL	SW SW WF	WF	
	102	GRAFFLITH AL ETAL					1-A BOSTIC		
	103	3175 GR					HILOCAT		
	104						API 11 039	20001 00	
	105	SPUD 04/15/1973	COMP	08/28/1973	ROTARY			D&A	
	107	DTD 5678					FM/TO 109PCMB		
	40101	DST 01	8150-	9678	109PCMB				002
	40131	FINAL OP	1H				BHT=372F		✓

039-20001

✓ 189°C @ 2,717 m

IDAHO
BONNEVILLE
PHILLIPS PET
ne ne, 990 fnl 4500 fwl.

1 Gentile Valley
API 11-019-20002

9-4s-42e
WILDCAT GW

10,000 (approx). (9-21-79 BK). El: 6824 GR.
Orig drld for oil & gas by Continental Oil, spud 9-20-78, OTD
9913, 20 @ 168, 13 3/8 @ 1995, 10 3/4 @ 3767, 5 1/2 @ 9907, perf
& tstd unrptd int, tstd dry, log tops: Nuggett 9267, Twin Creek 6905, temp
@ 9500: 360 degrees F, susp oper 1-9-79, oper turned to Phillips Pet
8-15-79, for geothermal testing, res 9-1-79 (est), ran TMPL to 7000 (approx),
TD 9913, PBTd 7000 (approx). ...SI (will test in spring of 1980, drop from
report until operations begin).

ID1-113079

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IDAHO
BUTTE
DEPT OF ENERGY
NE NW

1 INEL
API 11-023-60001

1-3n-29e (BM)
WILDCAT
GW

El: 4875 Gr.

Contr: Brinkerhoff-Signal. Spud 2/15/79. 20 @ 1511, 13 3/8 @ 3559, 9 5/8 Inr @ 3282-6796.

Crd 2340-61, rec 5 (no desc). Crd 2507-18, rec 8 (no desc). Crd 3661-3718, rec 44 (no desc). Crd 4839-78, rec 39 (no desc). Crd 9810-16, rec 1 (no desc). Crd 10,324-10,330, rec 1 1/2 (no desc). Crd 10,330-10,356, rec 16 (no desc). Pump test 1511-2518. Pump test 3559-3713. Pump test 3559-4878. 10,356 TD. Temp survey to TD. BHT 302°. Pump test 7800-10,356 (op hole). Pump test 4200-6200. Comp 9/18/79. D&A as geothermal well.

ID1-022980



Petroleum Information.

CORPORATION

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IDAHO
FREMONT
OCCIDENTAL GEOTHERMAL 1 Sturm
sw nw. API 11-043-60002

19-9n-43e
ISLAND PARK GEO-
THERMAL AREA
(Temp Gradient). U

(8-10-79 BK).

Contr: MGF. Spud 8-7-79, 10 3/4 @ 805, drld to 4000, ran ES,
TMPL, TD 4000. ...Temp abnd 1-16-80.

ID1-012580

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IDAHO
FREMONT
OCCIDENTAL GEOTHERMAL 1 Sturm
sw nw. API 11-043-60002

19-9n-43e
ISLAND PARK GEO-
THERMAL AREA
(Temp Gradient). U

Contr: MGF. Spud 8-7-79. 10 3/4 @ 805, drld to 4000, ran ES,
TMPL. TD 4000. FM @ TD: Tertiary Volcanics. ...Temp abnd 1-16-80



Petroleum Information.

CORPORATION

1 Subsidiary of U. S. Refining Company

ID1-032880
Reissued

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Petroleum Information's Well Log Service has available for purchase electrical well logs on more than 80 geothermal wells in nine states. Logs on wells in California may be purchased from West Coast Well Log Service, Box 9279, 4300 Easton Drive, Bakersfield, California 93389. Phone is (805) 327-5393. Logs for all other wells may be ordered from Rocky Mountain Well Log Service, 333 W. Colfax Avenue, Suite 10, Denver, Colorado 80202, phone (303) 893-2771; or from Electrical Log Services, 500 N. Baird Street, Midland, Texas 79701, phone (915) 682-0591. Reference numbers listed should be used when ordering all logs. The log list will be published periodically and expanded as new geothermal logs become available.

PI'S NATIONAL GEOTHERMAL SERVICE - LO
IDAHO

OWYHEE COUNTY

Anschutz Corporation
 #1 Federal 60-13
 Field: Wildcat
 Sec: 13-5S-1E
 K7870R s-ies-dil 330-11119
 K7871F s-c-neu-for-den 4090-11120
 K7871J s-bhc-son-gr 50-11120
 K7871N wx-frf-ms 16-1683

Anschutz Corporation
 #1 Federal 60-13
 Field: Wildcat
 Sec: 13-5S-1E
 K1676X s-temp 280- 4107
 s-temp 100-11122
 s-temp 4050-11122
 s-temp 4090-11125

IDAHO

BUTTE COUNTY

E. G. & G.
 #1 Inel
 Field: Wildcat
 Sec: 1-3N-29E
 K3671Z s-di-sfl 40- 9697
 K3672S s-d-ll 8776-10094
 K3672W s-c-neu-for-den 340-10118
 K3672X s-bhc-son 1296-10122
 K3672Y s-for-den 26- 3502

CASSIA COUNTY

E. G. & G. Idaho, Inc.
 #5 RRGF
 Field: Raft River Geothermal
 Sec: 22-15S-26E
 K3599W da-di-foc 1510-4918
 K3599X da-di-foc 3320-4911
 K3599Y s-di-sfl 1513-4916
 K3599Z s-di-sfl 3360-4930
 K3600S s-bhc-son 2903-4903
 K3600W s-bhc-son 3370-4934
 K3600X da-bhc-acs 1508-3735
 K3600Y s-c-neu-for-den 1513-4916
 K3600Z s-c-neu-for-den 3396-4934
 K3601S s-c-den-c-neu 1508-3742
 K3601W da-c-den 1508-3742
 K3601X da-diff-temp 70-3370

Aero Jet Nuclear-Inel
 #1 RRGE
 Field: Raft River Geothermal
 Sec: 23-15S-26E
 K8264R s-2il-ll 33- 894
 K8265F s-c-neu-for-den 880-4619
 K8262J s-bhc-son 896- 900

Aero Jet Nuclear & Reynolds Elec.
 #2 RRGE
 Field: Raft River Geothermal
 Sec: 23-15S-26E
 K8265N s-2il-ll 4215-5998
 K8265P s-c-neu-for-den 870-4227
 K8265R s-bhc-son 870-4228

E. G. & G. Idaho, Inc.
 #3 R.R.G.E.
 Field: Raft River Geothermal
 Sec: 25-15S-26E
 K9002R da-2il-foc 4245-5953
 K9003F da-spectralog 8-5928
 K9003J da-c-den 4245-5931
 K9003N da-c-neu 4244-5932
 K9003P da-bhc-acs 4244-5924
 K9003R da-temp 4100-5900

CASSIA COUNTY

E. G. & G. Idaho, Inc.
 #4 R.R.G.P.
 Field: Raft River Geothermal
 Sec: 23-15S-26E
 K3602X da-di-foc 1824-3460
 K3602Y da-bhc-acs 1820-3448
 K3602Z da-c-den 1820-3456
 K3603S da-c-den-c-neu 1820-3456
 K3603W da-acs-bnd-vd1 1450-3247

E. G. & G. Idaho, Inc.
 #4A R.R.G.P.
 Field: Raft River Geothermal
 Sec: 23-15S-26E
 K3603X da-di-foc 3450-5218
 K3603Y da-c-neu 3474-5220
 K3603Z da-c-den 3471-5221
 K3672Z da-4-arm-dip 3467-5186

E. G. & G. Idaho, Inc.
 #4B R.R.G.P.
 Field: Raft River Geothermal
 Sec: 23-15S-26E
 K3604S s-di-sfl 3471-5120
 K3604W s-c-neu-for-den 3470-5120
 K3604X s-bhc-son 3421-5113

Aero Jet Nuclear-Inel
 #3 RRGE
 Field: Raft River Geothermal
 Sec: 25-15S-26E
 K8276F da-2il-foc 140-5863
 K8276J da-c-den 1384-5863
 K8276N da-bhc-acs 1385-5856
 K8276P da-c-neu 1385-5863

E. G. & G. Idaho, Inc.
 #7 R.R.G.I.
 Field: Raft River Geothermal
 Sec: 23-15S-26E
 K3601Y da-di-foc 150-3789
 K3601Z da-bhc-acs 160-3793
 K3602S da-c-neu 160-3789
 K3602W da-c-den 2049-3796


FREMONT COUNTY

Occidental Geothermal, Inc.
 #1 Sturm
 Field: Wildcat
 Sec: 19-9N-43E
 K4734X s-di-sfl 810-3997
 K4734Y s-bhc-son 810-3968
 K4734Z s-c-neu-for-den 810-4002
 K4735S s-cyb 810-4002
 K4735W s-hr-temp 689-4005

IDAHO

CATEGORY A WELLS

5/1/11

 EFFICIENCY LINE No. **10384**
 VAL/1
 TRP
 HOME

1 API	2 SEC	3 1/4 1/4	4 T	5 R	6 d	7 °F	8 COUNTY	9	PAGE
075-20001	24	NESE.NW	6N	5W	2251 m. 7406	194°C 382	PAYETTE	81.5	84
039-20001	25	SWSW	4S	8E	11892 2717 m 8914	300 189°C 372	ELMORE	65.9	84
TOTAL WELLS IDAHO						2			
						100 % CAT A.			
						ambient			
						50 °F			
						10 °C			

IDAHO

Only two wells appear in the Petroleum Information file for Idaho. Very high temperatures were recorded in both, which may reflect high temperature geothermal systems. One of these wells lies in a region of high heat flow about fourteen miles southeast of Vale Hot Springs KGRA; the other, near Mountain Home KGRA. A description of each well follows:

Vale Vicinity

Section 24, T 6 N-R 5 W, Payette County.
194°C at 2,257 meters in unknown material.
Gradient: ~~86°C/km~~.

Mountain Home

Section 25, T 4 S-R 8 E, Elmore County.
189°C at 2,717 meters in Precambrian rock.
Gradient: ~~70°C/km~~.

*cut off
should be 150*
The well in the vicinity of Vale has a temperature which falls into the high temperature geothermal category (>190°C/km). If we consider that temperatures calculated from Petroleum Information data are generally low, the Mountain Home location may fall into this category too.

Both Idaho wells lie within a broad area designated the Southwestern Idaho Geothermal Region. In the Mountain Home area, near surface geothermal gradients (from less than 200 meters) range from 40°C/km to 100°C/km. The gradient from Petroleum Information data falls within this range.

CURRY
COPY
CENTER

61 East Broadway
Salt Lake City, Utah
328-1971

Idaho
~~to~~ Payette Co.
Sec 24, T6N-R5W
194° @ 2,257 m

IDAHO

NOTES

Only 2 wells appear in the PI file in Idaho. One lies in a region of high heat flow about 18 miles southeast of Vale Hot Springs and the other near Mountain Home. (Note Locality re: Snake R. Anomaly)

There are about ^{15(?)} additional wells in Idaho where BHT's appear on well logs (PI master)

- Bath ~~near~~ Idaho wells are very hot
- ① Vale locality 194°C @ 2.257 km = $86^{\circ}\text{C}/\text{km}$
 - ② Mountain Home 189°C @ 2.717 km / $70^{\circ}\text{C}/\text{km}$

No. 1 falls into the high temperature range $+190^{\circ}$ and #2 nearly so.

If we consider that our gradients computed from PI data generally are low, both ~~are~~ represent high temperature systems.

Both wells fall in ^{large} area designated Southwestern Idaho Geothermal system

WV
50°F
amb

Idaho notes - cont.

In the Mountain Home area, near surface gradients (at less than 200 meters) range from 40° - 100° C/km. One's falls within this range at 70° C/km.

PET. INFO - IDAHO

WELLS WITH RECORDED TEMPERATURES

COUNTY	No. OF WELLS
PAYETTE	1
ELMORE	1

} PAGE 84

Well #4

IRRIGATION CANAL, DRAINAGE CANAL, WATER PIPE OR SEWER PIPE PERMIT.

Jt.-w/O-W - Car.

R.W.17 1000 3-1-59

NO. 88266

NORTHERN PACIFIC RAILWAY COMPANY, hereinafter called Railway Company, hereby permits **CITY OF LEWISTON,**
a municipal corporation of the State of Idaho,

hereinafter called Permittee, to construct, operate and

maintain the following facilities upon its right of way in the City of Lewiston, Nez Perce County, State of Idaho:

A well 9½ feet by 11½ feet, a 4-inch water pipe line and an 8-inch water pipe line in Government Lot 6 of Section 32, Township 36 North, Range 5 West, B.M., in the locations indicated by red color on the map dated April 6, 1960, identified as Exhibit "A", attached hereto and made a part hereof.

This permission is given upon the following terms:

1. Permittee will pay annually in advance to Railway Company for this permit the sum of **ten and no/100 (\$10.00)** dollars, also all taxes and assessments that may be levied or assessed against the facilities. Railway Company reserves the right to change the said annual charge at any time while this permit remains in effect upon thirty (30) days' written notice.
2. The entire cost shall be borne by Permittee, including but not limited to the cost of construction, operation, maintenance and removal of said facilities; the division superintendent of Railway Company will decide what portion if any of the work will be done by Railway Company, and for such portion Permittee will pay Railway Company the estimated cost before the work is done; if the actual cost exceeds the estimate, Permittee will pay the additional amount when called upon; if the actual cost is less than the estimate, Railway Company will repay the surplus. All work hereunder by Permittee shall be done in a first-class workmanlike manner to the satisfaction of the division superintendent of Railway Company and in accordance with plans and specifications which he may prescribe or approve. The division superintendent of Railway Company shall have the right at any time when in his judgment it becomes necessary or advisable, to require any material used in the work to be replaced with like material or with material of a more permanent character; also to require additional work or change of location of said facilities as a matter of safety, or of appearance, or on account of additional tracks being laid, change of grade thereof, construction of a building, or for any other reason whether or not connected with the operation, maintenance or improvement of the railroad of Railway Company; all of which shall be done at the expense of Permittee in the manner herein provided.
3. (a) Permittee agrees that the facilities shall not at any time damage the railroad or structures of Railway Company, or be a menace to the safety of its operation; and to indemnify and save harmless Railway Company from all loss and damage to its tracks, roadbed, structures, rolling stock and other property of Railway Company and property of third persons, and from injuries to or death of persons, including employees of the parties hereto, occasioned by the exercise of the permission hereby granted.
(b) Permittee hereby further agrees to hold harmless and indemnify Railway Company from and against any and all loss or damage to the facilities, the installation of which is hereby permitted on the premises of Railway Company.
4. It is agreed that the provisions of Section 3 are for the equal protection of any other railroad company or companies heretofore or hereafter granted the joint use of Railway Company's property of which the premises upon which said facilities are located are a part.
5. Permittee shall not transfer or assign this permit without the written consent of Railway Company.
6. This permit shall endure until terminated by Railway Company. Railway Company reserves the right to terminate this permit at any time upon the giving of **sixty (60)** days' notice, either by personal delivery or by mail, or by the posting of notice on the premises. Upon the expiration of the time stated in any such notice, Railway Company may forthwith expel Permittee from its premises; and at the end of the permit Permittee shall restore the premises of Railway Company to their former state. Upon termination of this permit any unearned portion of the annual charge paid hereunder shall be refunded.
7. The words "division superintendent" as used herein shall be deemed to mean **Manager of Camas Prairie Railroad Company.**

IN WITNESS WHEREOF the parties have executed these presents this **15th** day of **May,** 19 **60.**
NORTHERN PACIFIC RAILWAY COMPANY,

By *J. J. Moore*
Western Manager Industrial Development

Witnesses to signatures of Permittee:

CITY OF LEWISTON
By *Marvin Dean*
Mayor
Attest: *John W. ...*
City Clerk

IDAHO
FRANKLIN
SUNOCO ENERGY DEV
SW/c 888n 396e.

1 Burt Winn
API 11-041-90000

8-15s-39e B
WILDCAT GW

9000. EI: 4620 GR.
Contr: Brinkerhoff #15. Spud 4-4-80, 13 3/8 @ 1733, drld to 7455,
ran TMPL, drld to 7981, ran DI, CNL-DENL-GRL, TMPL, rr 6-17-80,
ran TMPL to 3650, ran temp surveys, TD 7981 (Pre-Cambrian). . . D & A
8-18-80 (est).

ID1-103180

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

1. WELL OWNER
Name RALPH M. NASER 8334P
Address Box 1010 KATHOM, IDAHO
Owner's permit No. _____

7. WATER LEVEL
Static water level 41 feet below land surface
Flowing? Yes No G.P.M. flow _____
Temperature _____ F Quality _____
Artesian closed in pressure _____ p.s.i.
Controlled by Valve Cap Plug

2. NATURE OF WORK
 New well Deepened Replacement
 Abandoned (describe method of abandonment)

8. WELL TEST DATA
 Pump Rater Other
Discharge G.P.M. _____ Draw Down _____ Hours Pumped _____

3. PROPOSED USE
 Domestic Irrigation Test Other (specify type)
 Municipal Industrial Stock Waste disposal or injection

9. LITHOLOGIC LOG
Made _____ Depth _____ Water _____
From _____ To _____ Material _____ Yes/No _____

4. METHOD DRILLED
 Cable Rotary Dug Other

Depth	Material	Water
0 - 2 1/2	Overburden Top Soil	
2 1/2 - 18	GRAY LIMESTONE	
18 - 44	" "	
44 - 45	" "	
45 - 51	GRAY LIMESTONE	X
51 - 53	GRAVELLY SAND	
	GRANITE	X

5. WELL CONSTRUCTION
Diameter of hole 6 inches Total depth 53 feet
Casing schedule: Steel Concrete
Thickness _____ Diameter _____ From _____ feet _____ feet
2.50 inches 6 inches 18 feet 21 1/2 feet
Was casing drive shoe used? Yes No
Was a packer or seal used? Yes No
Perforated? Yes No
How perforated? Factory Knife Torch
Size of perforation _____ inches by _____ inches
Number _____ From _____ To _____ feet _____ feet
Well screen installed? Yes No
Manufacturer's name _____
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Gravel packed? Yes No Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 18 Material used in seal Cement grout
 Pudding clay Well cuttings
Casing procedure used Slurry pit Temporary surface casing
 Overbore to seal depth

6. LOCATION OF WELL
Sketch map location must agree with written location.
Subdivision Name _____
Lot No. _____ Block No. _____
County BLAINE
SE 1/4 NE 1/4 Sec 16 T. 4 N. R. 17 E. M.

10. Work started 2 Aug 26 finished 9 Aug 26

11. DRILLERS CERTIFICATION
Firm Name RAY ROSS Firm No. 267
129 5TH AVE. E.
Address BOZEMAN IDAHO Date 9 AUG 26
Signed by (Firm Official) Ray Ross
and Ray Ross
Operator

RECEIVED

WELL LOG AND REPORT OF THE
STATE RECLAMATION ENGINEER OF IDAHO, Department of Reclamation

Permit No. _____ Well No. 3 County Blairstown

Owner C. E. Brandt

Address _____

Driller ~~C. E. Brandt~~ Billy J. Martin

Address Halcyon

Well location SE 1/4 NE 1/4 Sec 15, T. 4 N. R. 17 E/W

Size of drilled hole 6

Locate well in section

NW 1/4	NE 1/4
SW 1/4	SE 1/4

Total depth of well 47'

Give depth to standing water from the ground 12 Water temp. 54 °Fahr.

On "Pumping Test" delivery was 20 g.p.m. or _____ c.f.s. Drawdown was 4 feet.

Size of pump and motor used to make test. BAILER

Length of time of test. 2 hours _____ minutes.

If flowing well, give flow _____ c.f.s. or _____ g.p.m. and of shut off pressure _____

If flowing well, described control works _____ (TYPE AND SIZE OF VALVE, ETC.)

Water will be used for DOMESTIC Weight of casing per lineal foot 19 lb

Thickness of casing 1/4 Casing material STEEL (STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 6" 38'
(CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER;
CASING OVER 12" IN DIAMETER, GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. Casing	From Foot	To Foot	Length	Remarks—seals, grouting, etc.
6"	0	38	38	

Number and size of perforations NONE located _____ feet to _____ feet from ground

Date of commencement of well JUNE 1, 1911 Date of completion of well 6-26-11

SENT 8.16 44198

well

USE TYPEWRITER OR
BALLPOINT PEN

Department of Water Administration
WELL DRILLER'S REPORT

RECEIVED

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

1. WELL OWNER
Name SHERRY DAELK
Address Box 715, KILBURN, IDA 83340
Owner's Permit No. 37-2448

7. WATER LEVEL
Static water level 26 feet below land surface
Flowing? Yes No G.P.M. flow _____
Temperature _____ F. Quality _____
Artesian closed in pressure _____ p.s.i.
Controlled by Valve Cap Plug

2. NATURE OF WORK
 New well Deepened Replacement
 Abandoned (Describe method of abandoning)

8. WELL TEST DATA
 Pump Bailer Other
Discharge G.P.M. 25 Draw Down 45' Hours Pumped 1

3. PROPOSED USE
 Domestic Irrigation Test Other (specify type)
 Municipal Industrial Stock Waste Disposal or Injection

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water Yes No
	From	To		
8"	0	2	BROWN TOP SOIL	
"	2	12	SAND, GRAVEL & GRAVEL	
"	12	15	LARGE GRAVEL & SAND	
"	15	18	LARGE GRAVEL	
6"	18	26	BROWN SILT CLAY	
"	26	25	GRAY CLAY + SAND GRAVEL	
"	25	27	GRAY SANDSTONE	
"	27	45	GRAY SANDSTONE	
"	45	97	GRAY LARGE SAND & PEA GRAVEL	X

4. METHOD DRILLED
 Cable Rotary Dug Other

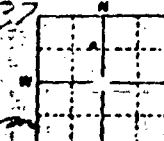
5. WELL CONSTRUCTION
Diameter of hole 6 inches Total depth 97 feet
Casing schedule: Steel Concrete
Thickness Diameter From To
2.50 inches 6 inches 1 feet 76 feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet

Was a packer or seal used? Yes No
Perforated? Yes No
How perforated? Factory Knife Torch
Size of perforation 28 inches by 4 inches
Number From To
150 perforations 40 feet 75 feet
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet

Well screen installed? Yes No
Manufacturer's name _____
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? Yes No Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 18' Material used in seal Cement grout
 Pudding clay Well cuttings
Sealing procedure used Slurry pit Temporary surface casing
 Overbore to seal depth

6. LOCATION OF WELL
Sketch map location must agree with written location.
37 
Subdivision Name _____
Lot No. _____ Block No. _____
County BLAINE

10. Work started 12 AUG 75 Finished 28 AUG 75

11. DRILLER'S CERTIFICATION
Firm Name ROY ROESSLER Firm No. 262
Address 129 5TH AVE SE City BOISE
Signed by (Firm Official) ROY ROESSLER
and Operator ROY ROESSLER

12. NR 441's Sec. 14 T. 4 N. R. 17 S. 0

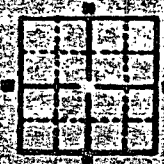
USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHOLE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

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

<p>1. WELL OWNER</p> <p>Name: <u>Bill Garke</u></p> <p>Address: <u>BELLEVIEW, IDA</u></p> <p>Owner's Permit No. _____</p>	<p>7. WATER LEVEL</p> <p>Static water level <u>38</u> feet below land surface</p> <p>Flooding? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No G.P.M. flow _____</p> <p>Temperature _____ °F. Quality _____</p> <p>Artesian closed-in pressure _____ P.S.I.</p> <p>Controlled by: <input type="checkbox"/> Valve <input type="checkbox"/> Cap <input type="checkbox"/> Plug</p>																																																																
<p>2. NATURE OF WORK</p> <p><input checked="" type="checkbox"/> New well <input type="checkbox"/> Deepened <input type="checkbox"/> Replacement</p> <p><input type="checkbox"/> Abandoned (Describe method of abandoning) _____</p>	<p>8. WELL TEST DATA</p> <p><input type="checkbox"/> Pump <input checked="" type="checkbox"/> Bailor <input type="checkbox"/> Other</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Discharge G.P.M.</th> <th>Draw Down</th> <th>Hours Pumped</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><u>35</u></td> <td style="text-align: center;"><u>35'</u></td> <td style="text-align: center;"><u>2</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Discharge G.P.M.	Draw Down	Hours Pumped	<u>35</u>	<u>35'</u>	<u>2</u>																																																										
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<p>3. PROPOSED USE</p> <p><input type="checkbox"/> Domestic <input type="checkbox"/> Irrigation <input type="checkbox"/> Test <input type="checkbox"/> Other (Specify type) _____</p> <p><input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Industrial <input type="checkbox"/> Stock <input type="checkbox"/> Waste Disposal or Injection</p>	<p>9. LITHOLOGIC LOG</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Hole Diam.</th> <th colspan="2">Depth</th> <th rowspan="2">Strata</th> <th rowspan="2">Wells</th> </tr> <tr> <th>From</th> <th>To</th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">8"</td> <td style="text-align: center;">0</td> <td style="text-align: center;">2</td> <td>LARGE GRAVEL & SAND</td> <td> </td> </tr> <tr> <td style="text-align: center;">"</td> <td style="text-align: center;">2</td> <td style="text-align: center;">14</td> <td>LARGE GRAVEL & SAND</td> <td> </td> </tr> <tr> <td style="text-align: center;">"</td> <td style="text-align: center;">14</td> <td style="text-align: center;">16</td> <td>SAND & GRAVEL</td> <td> </td> </tr> <tr> <td style="text-align: center;">"</td> <td style="text-align: center;">16</td> <td style="text-align: center;">18</td> <td>LARGE GRAVEL & SAND</td> <td> </td> </tr> <tr> <td style="text-align: center;">6"</td> <td style="text-align: center;">18</td> <td style="text-align: center;">22</td> <td>" " " "</td> <td> </td> </tr> <tr> <td style="text-align: center;">"</td> <td style="text-align: center;">22</td> <td style="text-align: center;">46</td> <td>2" ROUND CEMENT CASING</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">"</td> <td style="text-align: center;">46</td> <td style="text-align: center;">60</td> <td>GRAY SANDSTONE</td> <td> </td> </tr> <tr> <td style="text-align: center;">"</td> <td style="text-align: center;">60</td> <td style="text-align: center;">69</td> <td>BROWN GRAY SANDSTONE</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">"</td> <td style="text-align: center;">69</td> <td style="text-align: center;">95</td> <td>GRAY LIMESTONE</td> <td> </td> </tr> <tr> <td style="text-align: center;">"</td> <td style="text-align: center;">95</td> <td style="text-align: center;">100</td> <td>SCARLETT-BROWN LIMESTONE</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">"</td> <td style="text-align: center;">100</td> <td style="text-align: center;">105</td> <td>GRAY LIMESTONE</td> <td> </td> </tr> </tbody> </table>	Hole Diam.	Depth		Strata	Wells	From	To	Yes	No	8"	0	2	LARGE GRAVEL & SAND		"	2	14	LARGE GRAVEL & SAND		"	14	16	SAND & GRAVEL		"	16	18	LARGE GRAVEL & SAND		6"	18	22	" " " "		"	22	46	2" ROUND CEMENT CASING	X	"	46	60	GRAY SANDSTONE		"	60	69	BROWN GRAY SANDSTONE	X	"	69	95	GRAY LIMESTONE		"	95	100	SCARLETT-BROWN LIMESTONE	X	"	100	105	GRAY LIMESTONE	
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<p>4. METHOD DRILLED</p> <p><input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rotary <input type="checkbox"/> Dug <input type="checkbox"/> Other _____</p>	<p>5. WELL CONSTRUCTION</p> <p>Diameter of hole <u>6</u> inches Total depth <u>105</u> feet</p> <p>Casing schedule: <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Concrete</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><u>1/2"</u></td> <td style="text-align: center;"><u>6"</u></td> <td style="text-align: center;"><u>1</u></td> <td style="text-align: center;"><u>69</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>Was casing drive shoe used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Was a packer or seal used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Perforated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>How perforated? <input type="checkbox"/> Factory <input checked="" type="checkbox"/> Knife <input type="checkbox"/> Torch</p> <p>Size of perforation <u>3/8</u> inches by <u>4</u> inches</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><u>80</u></td> <td style="text-align: center;"><u>44</u></td> <td style="text-align: center;"><u>64</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>Well screen installed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Manufacturer's name _____</p> <p>Type _____ Model No. _____</p> <p>Diameter _____ Slot size _____ Set from _____ feet to _____ feet</p> <p>Diameter _____ Slot size _____ Set from _____ feet to _____ feet</p> <p>Gravel packed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Size of gravel _____</p> <p>Placed from _____ feet to _____ feet</p> <p>Surface seal depth <u>18'</u> Material used in seal <input checked="" type="checkbox"/> Cement grout</p> <p><input type="checkbox"/> Packing clay <input type="checkbox"/> Wall coating</p> <p>Casing pressure seal <input type="checkbox"/> Casing seal <input type="checkbox"/> Temporary surface casing</p> <p><input checked="" type="checkbox"/> Overhead to seal depth</p>	Thickness	Diameter	From	To	<u>1/2"</u>	<u>6"</u>	<u>1</u>	<u>69</u>																	Number	From	To	<u>80</u>	<u>44</u>	<u>64</u>																																		
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<p>6. LOCATION OF WELL</p> <p>Sketch map location must agree with written location.</p>  <p>When Surveyed _____</p> <p>Subdivision from <u>U.S. G.S. 20 40110 N.P.</u></p> <p>Lot No. _____ East of _____</p> <p>County <u>BLAINE</u></p> <p>Dist. & Section <u>14 T. 12 N. R. 17 E.</u></p>	<p>10. WORK DATES</p> <p>Work started <u>13 July 1975</u> ended <u>29 July 1975</u></p> <p>11. DRILLER'S CERTIFICATION</p> <p>ROY WESSLER</p> <p>From Home <u>125 5TH AVE. S.</u></p> <p><u>LAUREL, IDAHO 83043</u></p> <p>Filed by (Print Name) _____</p>																																																																

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration
WELL DRILLER'S REPORT

RECEIVED

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

1. WELL OWNER
Name SHERY DAECK
Address Box 775, KATHUNA, IDAHO 83340
Owner's Permit No. 37-7449

7. WATER LEVEL
Static water level 26 feet below land surface
Flowing? Yes No G.P.M. flow _____
Temperature _____ F. Quality _____
Artesian closed-in pressure _____ p.s.i.
Controlled by Valve Cap Plug

2. NATURE OF WORK
 New well Deepened Replacement
 Abandoned (describe method of abandoning)

8. WELL TEST DATA
 Pump Bailor Other
Discharge G.P.M. 25 Draw Down 45' Head Pumped _____

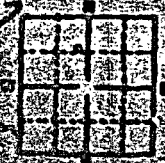
3. PROPOSED USE
 Domestic Irrigation Tail Other (specify type)
 Municipal Industrial Stock Waste Disposal or Injection

9. LITHOLOGIC LOG

Feet Down	Depth		Material	Water	
	From	To		Yes	No
0	0	2	ROCK TOP SURF		
2	2	12	SAND & GRAVEL		
12	12	15	LARGE GRAVEL		
15	15	18	LARGE GRAVEL		
18	18	26	BRN SAND & GRAVEL		
26	26	29	COARSE SAND & GRAVEL		
29	29	37	COARSE SAND & GRAVEL		
37	37	45	COARSE SAND & GRAVEL		
45	45	57	COARSE SAND & GRAVEL		
57	57	97	COARSE SAND & GRAVEL		

4. METHOD DRILLED
 Cable Rotary Dug Other

5. WELL CONSTRUCTION
Diameter of hole 6 inches Total depth 97 feet
Casing schedule Steel Concrete
Thickness 1.250 inches Diameter 6 inches From 1 feet To 97 feet
Was a packer or seal used? Yes No
Perforated? Yes No
How perforated? Factory Knife Torch
Size of perforation 1/8 inches by 4 inches
Number 150 perfections From 40 feet To 75 feet
Well screen installed? Yes No
Manufacturer's name _____
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Ground packed? Yes No Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 18 Material used in seal Cement grout
 Packing clay Well cappings
Sealing procedure used Slurry seal Temporary surface casing
 Closures to seal depth

6. LOCATION OF WELL
Sketch map location must agree with written location.

Township _____ Range _____
Section _____
County BLAINE

10. DRILLER'S CERTIFICATE
Work started 12 AUG 25
I, ROBERT G. GODDARD
Driller, certify that the above information is true and correct.
Signed by Robert G. Goddard
Date 12 AUG 25 1957

USE TYPEWRITER OR BALL POINT PEN

State of Idaho Department of Water Administration WELL DRILLER'S REPORT

RECEIVED

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well. JUN 20 1971

1. WELL OWNER Name ROY MERRICE Address ETCHEM, IDAHO 87-7101 Owner's Permit No. APPLIED FOR

7. WATER LEVEL Static water level 22 feet below land surface Flowing? No G.P.M. flow Temperature 60 F. Quality GOOD

2. NATURE OF WORK New well Despand Replacement Abandoned

8. WELL TEST DATA Pump Boiler Other Discharge G.P.M. Draw Down Hours Pumped INSTALLED 1 HP SUBMERGIBLE 2000 GPH

3. PROPOSED USE Domestic Irrigation Test Municipal Industrial Stock

9. LITHOLOGIC LOG Hole Diam. Depth From To Material Water Yes No

4. METHOD DRILLED Cable Rotary Dug Other

Lithologic log table with columns for Hole Diam., Depth (From, To), Material, and Water (Yes/No). Rows include: 8 0 20 GRAVEL & BOULDERS SET IN CLAY; 6 20 32 SAND & GRAVEL; 6 32 40 SAND & GRAVEL; 6 40 55 GRAVEL.

6. WELL CONSTRUCTION Diameter of hole 6 inches Total depth 55 feet Casing schedule: Steel Concrete Thickness Diameter From To 2.50 inches inches +1 foot 55 feet

6. LOCATION OF WELL Sketch map location must agree with written location. County BLAINE T. 4N. R. 17E. E/W

Empty lithologic log table grid.

-10. Work started 25 MAY 1971 finished 23 MAY 1971

11. DRILLER'S CERTIFICATION This well was drilled under my supervision and this report is true to the best of my knowledge. CLAUDE NICHOLSON WELL DRILLING 159 Driller's or Firm's Name ROUTE 1 DIETRICH, IDAHO Address Claude Nicholson 27 JUNE 1971 Signed By Date

USE TYPEWRITER OR BALL POINT PEN

State of Idaho Department of Reclamation

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

RECEIVED

1. WELL OWNER
 Name Calico
 Address Box 419 SVA Valley
 Owner's Permit No. 37-7061

7. WATER LEVEL
 Static water level 26 feet below land surface
 Flowing? Yes No G.P.M. flow _____
 Temperature _____ ° F. Quality _____
 Artesian closed-in pressure _____ p.s.i.
 Controlled by Valve Cap Plug

2. NATURE OF WORK
 New well Deepened Replacement
 Abandoned (describe method of abandoning)

8. WELL TEST DATA
 Pump Bailor Other

Discharge G.P.M.	Draw Down	Hours Pumped
<u>226</u>	<u>10 ft</u>	<u>1</u>
<u>242</u>	<u>11-8 ft</u>	<u>1 1/2</u>
<u>266</u>	<u>12-8 ft</u>	<u>1/2</u>
<u>281</u>	<u>20 ft</u>	<u>8 min</u>

at 281 pump discharged air -

3. PROPOSED USE
 Domestic Irrigation Test
 Municipal Industrial Stock

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
<u>13 1/2</u>	<u>0</u>	<u>6</u>	<u>Topsoil</u>		
<u>13 1/2</u>	<u>6</u>	<u>16</u>	<u>Clay & Gravel</u>		
<u>13 1/2</u>	<u>16</u>	<u>18</u>	<u>Clay & Gravel</u>		
<u>10 1/2</u>	<u>18</u>	<u>37</u>	<u>Coarse Sand</u>		<u>X</u>
<u>10 1/2</u>	<u>37</u>	<u>37</u>	<u>River washed material</u>		<u>X</u>
<u>8</u>	<u>42</u>	<u>50</u>	<u>Coarse Sand & small gravel w/ small amt Blue Clay</u>		<u>X</u>
<u>11</u>	<u>50</u>	<u>54</u>	<u>Coarse Sand & Heavy little water</u>		<u>X</u>
<u>11</u>	<u>54</u>	<u>56</u>	<u>Coarse Sand & Gravel</u>		<u>X</u>
<u>11</u>	<u>56</u>	<u>62</u>	<u>Gravel & Blue Clay</u>		<u>X</u>
<u>11</u>	<u>62</u>	<u>65 1/2</u>	<u>Broken shells</u>		<u>X</u>
<u>10</u>	<u>65 1/2</u>	<u>67 1/2</u>	<u>Hard Blue Shale</u>		<u>X</u>

4. METHOD DRILLED
 Cable Rotary Dug Other

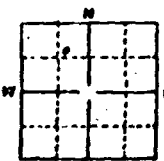
5. WELL CONSTRUCTION
 Diameter of hole 10 inches Total depth 67 1/2 feet
 Casing schedule: Steel Concrete

Thickness	Diameter	From	To
<u>3 1/2</u> inches	<u>10</u> inches	<u>1</u> foot	<u>68 1/2</u> feet

 Was a packer or seal used? Yes No
 Perforated? Yes No
 How perforated? Factory Knife Torch
 Size of perforation 3/8 inches by 2 1/2 inches

Number	From	To
<u>450</u> perforations	<u>38</u> feet	<u>64</u> feet

 Well screen installed? Yes No
 Manufacturer's name _____ Type _____ Model No. _____
 Diameter _____ Slot size _____ Set from _____ feet to _____ feet
 Diameter _____ Slot size _____ Set from _____ feet to _____ feet
 Gravel packed? Yes No Size of gravel _____
 Placed from _____ feet to _____ feet
 Surface test? Yes No To what depth 18 feet
 Material used in seal Cement grout Pudding clay

6. LOCATION OF WELL
 Sketch map location must agree with written location.

 County BLAINE
26 x 41 1/2 Sec. 14 T. 4 N.B.R. 17 E. 17

10. Work started 6-22-70 finished 7-7-70

11. DRILLER'S CERTIFICATION
 This well was drilled under my supervision and this report is true to the best of my knowledge.
Rossley Well Drilling 19
 Driller's or Firm's Name Number
 Address Shoshone
Rossley 7-9-70
 Signed By Date

TYPEWRITER OR
CALL POINT PEN

State of Idaho
Department of Reclamation

WELL DRILLER'S REPORT

RECEIVED

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

FEB 22 1970

<p>1. WELL OWNER</p> <p>Name <u>Calico Road & Develop</u></p> <p>Address <u>Box 419 Sun Valley Ida</u></p> <p>Owner's Permit No. _____</p>	<p>7. WATER LEVEL</p> <p style="text-align: right;">Department of Reclamation</p> <p>Static water level <u>14</u> feet below land surface</p> <p>Flowing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No G.P.M. flow _____</p> <p>Temperature _____ ° F. Quality _____</p> <p>Artesian closed-in pressure _____ p.s.i.</p> <p>Controlled by <input type="checkbox"/> Valve <input type="checkbox"/> Cap <input type="checkbox"/> Plug</p>																																																										
<p>2. NATURE OF WORK</p> <p><input checked="" type="checkbox"/> New well <input type="checkbox"/> Deepened <input type="checkbox"/> Replacement</p> <p><input type="checkbox"/> Abandoned (describe method of abandoning) _____</p>	<p>8. WELL TEST DATA</p> <p><input checked="" type="checkbox"/> Pump <input type="checkbox"/> Bailor <input type="checkbox"/> Other</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Discharge G.P.M.</th> <th>Draw Down</th> <th>Hours Pumped</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">60</td> <td style="text-align: center;">to 26 ft</td> <td style="text-align: center;">2</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Discharge G.P.M.	Draw Down	Hours Pumped	60	to 26 ft	2																																																				
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<p>3. PROPOSED USE</p> <p><input type="checkbox"/> Domestic <input type="checkbox"/> Irrigation <input type="checkbox"/> Test</p> <p><input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Industrial <input type="checkbox"/> Stock</p>	<p>9. LITHOLOGIC LOG</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Hole Diam.</th> <th colspan="2">Depth</th> <th rowspan="2">Material</th> <th colspan="2">Water</th> </tr> <tr> <th>From</th> <th>To</th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">0</td> <td style="text-align: center;">9</td> <td>Boulders & Clay</td> <td style="text-align: center;">X</td> <td> </td> </tr> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">9</td> <td style="text-align: center;">17</td> <td>Clay & Gravel (Boulders)</td> <td style="text-align: center;">X</td> <td> </td> </tr> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">17</td> <td style="text-align: center;">25</td> <td>Cement Gravel Very small amount</td> <td style="text-align: center;">X</td> <td> </td> </tr> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">25</td> <td style="text-align: center;">35</td> <td>Clay & Gravel</td> <td style="text-align: center;">X</td> <td> </td> </tr> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">35</td> <td style="text-align: center;">39</td> <td>Cement Gravel</td> <td style="text-align: center;">X</td> <td> </td> </tr> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">39</td> <td style="text-align: center;">52</td> <td>Gravel & Sandstone</td> <td style="text-align: center;">X</td> <td> </td> </tr> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">52</td> <td style="text-align: center;">55</td> <td>Plug Clay</td> <td style="text-align: center;">X</td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">55</td> <td style="text-align: center;"> </td> <td>Bedrock</td> <td style="text-align: center;">X</td> <td> </td> </tr> </tbody> </table>	Hole Diam.	Depth		Material	Water		From	To	Yes	No	10	0	9	Boulders & Clay	X		10	9	17	Clay & Gravel (Boulders)	X		10	17	25	Cement Gravel Very small amount	X		10	25	35	Clay & Gravel	X		10	35	39	Cement Gravel	X		10	39	52	Gravel & Sandstone	X		10	52	55	Plug Clay	X			55		Bedrock	X	
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<p>4. METHOD DRILLED</p> <p><input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rotary <input type="checkbox"/> Dug <input type="checkbox"/> Other</p>	<p>10.</p> <p>Work started <u>10-18-69</u> finished <u>11-18-69</u></p>																																																										
<p>5. WELL CONSTRUCTION</p> <p>Diameter of hole <u>10</u> inches Total depth <u>55</u> feet</p> <p>Casing schedule: <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Concrete</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">200</td> <td style="text-align: center;">10</td> <td style="text-align: center;">+18</td> <td style="text-align: center;">55</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>Was a packer or seal used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Perforated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>How perforated? <input type="checkbox"/> Factory <input checked="" type="checkbox"/> Knife <input type="checkbox"/> Torch</p> <p>Size of perforation <u>3/8</u> inches by <u>2</u> inches</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">166</td> <td style="text-align: center;">39</td> <td style="text-align: center;">52</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>Well screen installed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Manufacturer's name _____</p> <p>Type _____ Model No. _____</p> <p>Diameter _____ Slot size _____ Set from _____ feet to _____ feet</p> <p>Diameter _____ Slot size _____ Set from _____ feet to _____ feet</p> <p>Gravel packed? <input type="checkbox"/> Yes <input type="checkbox"/> No Size of gravel _____</p> <p>Placed from _____ feet to _____ feet</p> <p>Surface seal? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No To what depth <u>20</u> feet</p> <p>Material used in seal <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Puddling clay</p>	Thickness	Diameter	From	To	200	10	+18	55																	Number	From	To	166	39	52							<p>11. DRILLER'S CERTIFICATION</p> <p>This well was drilled under my supervision and this report is true to the best of my knowledge.</p> <p style="text-align: right;"><u>Prosser Well Drilling</u> 19</p> <p>Driller's or Firm's Name _____ Number _____</p> <p style="text-align: right;"><u>Shoshone Ida</u></p> <p>Address _____</p> <p style="text-align: right;"><u>Geo Prosser</u> 12-26-69</p> <p>Signed By _____ Date _____</p>																						
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<p>6. LOCATION OF WELL</p> <p>Sketch map location must agree with written location.</p> <div style="text-align: center;"> </div> <p>31</p> <p>County <u>BLAINE</u></p> <p><u>7th & 2nd Sec. 14 T. 4 N.B. R. 17 EDR</u></p> <p><u>H.F.S. 292</u></p>	<p>USE ADDITIONAL SHEETS IF NECESSARY</p>																																																										

14-19
14-18

USE IN FULL OR
CALL POINT 661

State of Idaho
Department of Water Administration
WELL DRILLER'S REPORT

This report to be filed with the Director, Department of Water Administration within 30 days after the completion or abandonment of the well.

1. WELL OWNER
Name: FRITZ FREY
Address: P.O. BOX 810, KETCHUM, IDA

7. WATER LEVEL
Static water level: 34 feet below land surface
Flowing? Yes No G.P.M. flow _____
Temperature _____ F. Quality _____
Artesian closed-in pressure _____
Controlled by Valve Cap Plug

2. NATURE OF WORK
 New well Deepened Replacement
Abandonment (describe method of abandoning)

8. WELL TEST DATA
Type: Pump Rater Other
Discharge G.P.M. _____ Draw Down _____ Hours Pumped _____
UNTESTED

3. PROPOSED USE
 Domestic Irrigation Test Other (specify type) _____
 Municipal Industrial Stock Waste Disposal or Injection

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
8"	0	8	SMALL BOUNDBERS Y SOIL		
8"	8	17	SMALL GRAVEL Y SAND		
8"	17	20	CLAY Y SAND		
6"	20	26	CEMENT GRAVEL		
"	26	31	GRAY SANDSTONE		
"	31	33	PEA GRAVEL Y SANDSTONE	X	
"	33	44	LIGHT GREY SANDSTONE	X	
"	44	45	COARSE GRAVEL Y CLAY	X	
"	45	52	BROWN SANDSTONE	X	
"	52	79 1/2	GRAY SANDSTONE	X	
"	79 1/2	84	BLU GRK		
"	84	86	" " SCORIA	X	
"	86	94	" " "		
"	94	96	" " SCORIA	X	
"	96	97	" " "		

4. METHOD DRILLED
 Cable Rotary Dug Other

5. WELL CONSTRUCTION
Diameter of hole: 6 inches Total depth: 97 feet
Casing schedule: Steel Concrete
Thickness _____ Diameter _____ From _____ feet _____ feet
250 inches 6 inches 1 feet 79 1/2 feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet

Was a packer or seal used? Yes No
Perforated? Yes No
How perforated? Factory Knife Torch
Size of perforation 5/8 inches by 4 inches
Number _____ From _____ To _____
240 perforations 29 feet 69 feet
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet

Well screen installed? Yes No
Manufacturer's name _____
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? Yes No Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 20 Material used in seal Cement grout
 Pudding clay Well cuttings
Sealing procedure used Slurry pit Temporary surface casing
 Overbore to seal depth

6. LOCATION OF WELL
Sketch map location must agree with written location.
Subdivision Name WARM SPRINGS
20 DU REVUE D
Lot No. 142 Block No. 4
County BLAINE
SE 1/4 NW 1/4 Sec. 14, T. 4 N. R. 17 E.

10. Work started 25 APR 74 finished 4 MAY 74

11. DRILLERS CERTIFICATION
Firm Name RAY ROESSNER WELL DRILLING Firm No. 262
129 5TH AVE E.
Address GADDING IDA 82330 Date 2 MAY 74
Signed by (Firm Official) Ray Roessner
and
Operator Ray Roessner

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

IDAHO
FREMONT
OCCIDENTAL GEOTHERMAL 1 Edward Farms
ne ne. API 11-043-60001

23-9n-42e
ISLAND PARK GEO-
THERMAL AREA
(Temp Gradient) G

EI: 5240 GR.
Abandoned location.

ID1-112880

 **Petroleum Information.**
CORPORATION
A Subsidiary of U. I. Union Company

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IDAHO

ADA

STATE OF IDAHO

1 Capitol Mall Expl Well

ne ne. 100 fnl 120 fel, lot

API 11-001-90000 (PI)

12, block 105.

10-3n-2e

WILDCAT GW

2250. EI: 2704 GR.

Contr: Hiddleston. Spud 9-11-80, 16 @ 169; 12 3/4 @ 369, drld to 2152, ran ACSL, CALP, GG, NEUT, "Normal" log, SP, TMPL, LITH, 8 5/8 blank Inr 270-1643, 10 tie back csg 0-320, IP fr open hole Int 1643-2152: F/300 GWPM @ 153? F; P/800 GWPM, TD 2152 (Pliocene), completed as direct use well 12-24-80 (will supply 100% of heat requirements for seven bldgs, 750,000 sq ft, in State capitol mall, 90% of time).

ID1-032781



Petroleum Information.

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Subsidiary of U.I. Refining Company

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IDAHO
BANNOCK
WHITE WATER DEV
sw sw.

1 White Water
API 11-005-90010 (PI)

25-5s-34e B
WILDCAT TO

2000. EI: 4639 KB.

(Spot changed from nw sw).

Contr: Rocky Mountain.

Old Well Info: Spud 12-10-79, 12 @ 120, drld to 1060, 8 @ 560, FRO 300
GWPM, 108 deg F, TD 1060 (Volcanics), direct use well, comp 2-4-80.

New Info: Res 5-26-81, drld to 1090, encountered artesian flow, 400
GWPM, 110 deg F, TD 1090 (Cenozoic). ... Temperature observation well,
comp 8-1-81 (est).

ID4-092581



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IDAHO
ADA
BOISE GEOTHERMAL
nw ne.

4 Boise
API 11-001-90015 (PI)

11-3n-2e B
WILDCAT GWD

1100. EI: 2747 GR.

Contr: Holman. 16 @ 40. Spud 8-28-81, drld to 600, 12 @ 600, drld to 1104, 8 Inr 580-1040 w/pre-perfs 720-800, 850-870, 900-1040, tstd, no details, TD 1104 (Cenozoic). ...Geothermal direct use well, comp 9-14-81.

ID3-092581



Petroleum Information.

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a Subsidiary of E. I. du Pont de Nemours & Company

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IDAHO
ADA
BOISE GEOTHERMAL LTD
ne nw.

3-Boise
API 11-001-90013 (PI)

11-3n-2c B
WILDCAT GW

2000. EI: 2770 GR.

Contr: Holman. Spud 5-17-81, drld to 650, 12 @ 650, drld to 1893, 8 Inr
@ 1050 (T/Inr NR) w pre-perfs 650-850, rr 6-5-81, tstd, no details,
TD 1893 (Cenozoic). ...Geothermal direct use well, comp 9-16-81 (est).

ID2-092581



Petroleum Information.

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IDAHO
ADA
BOISE GEOTHERMAL LTD 2 Boise
ne nw. API 11-011-90012 (PI)

11-3n-2e B
WILDCAT GWD

2000. EI: 2750 GR.

Contr: Holman. Spud 4-27-81, drld to 790, ran logs, 12 @ 660, drld to 880, rr 5-7-81, tstd, no details, TD 880 (Cenozoic). ...Geothermal direct use well, comp 9-16-81 (est).

ID1-092581



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IDAHO
ADA COUNTY
STATE OF IDAHO

2 Capitol Mall
AP1 11-001-90014 (PI)


10-3n-2e B
WILDCAT GWD

3000. (6-17-81 BK). EI: 2670 GR.

(Spot changed from se nw).

Contr: Holman. Spud 6-24-81 (w/Holman cable rig), dtd to 121, 20 @
121, MI Holman rotary rig 7-6-81 (est), dtd to 1200, 12 @ 1250 (approx),
dtd to 3000, ran DI-RES, GRL, CALP, SONL, CDI, TMPL, 8 hr @ 2560
(T/hr NR) (all pre-perfd), blew well dry w/air, FARO 300 GWP, 150 deg
F, rr 8-13-81 (est), SIP 17, FARO 900 GWP (artesian), 150-155 deg F,
FARO 1000 GWP (artesian), 70.5 deg C, FARO 810 GWP (artesian),
160 deg F, TD 3000 (Cenozoic). . . . Comp as Geothermal producer 10-25-81.

IDI-022682

 Petroleum Information.

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