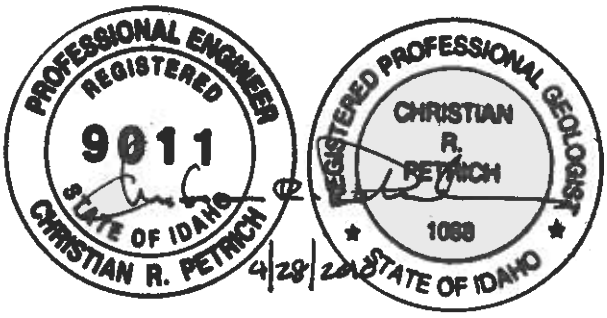
SPF WATER ENGINEERING

MEMORANDUM



DATE: April 28, 2010

TO: John Westra
Western Region Manager
Idaho Dept. of Water Resources

FROM: Christian R. Petrich, Ph.D., P.E., P.G.
Roxanne Brown

CC: Norman M. Semanko, Barker Rosholt & Simpson LLP
John Erickson, Woods Erickson Whitaker & Maurice LLP

RE: Application for Permit No. 61-12096 — Nevid LLC

RECEIVED
APR 29 2010
WATER RESOURCES
WESTERN REGION

This memorandum accompanies an amended Application for Permit No. 61-12096 to appropriate water for the Elk Creek Canyon development in Elmore County, Idaho. The amended application is being submitted as a non-RAFN municipal application on behalf of Nevid LLC. Elk Creek Canyon LLC was the original applicant.

This memorandum provides the following information:

1. Justification for a proposed maximum diversion and a description of how the capacity to divert and beneficially use this amount of water will be fully developed within the proposed development period.

2. Information requested in a letter from Mr. Steve Lester dated April 29, 2009. In particular, Mr. Lester requested the following:

    a. Demonstrate applicant's possessory interest in the proposed place of use;

    b. Demonstrate that an adequate, sustainable ground water supply is available;

    c. Demonstrate that the proposed use of ground water will not result in further ground water level declines in the Mountain Home Ground Water Management Area (MHGWMA) or the Cinder Cone Butte Critical Ground Water Area (CCBCGWA);

    d. Document the likelihood of injury to existing wells or springs within a 2-mile radius of the proposed points of diversion. Discuss strategies to prevent injury and/or possible mitigation for injury that might occur to those wells or springs;

300 East Mallard Drive, Suite 350, Boise, Idaho 83706 Tel: 208-383-4140 Fax: 208-383-4156

e. Discuss plans to monitor and report data about ground water supply and ground water levels in and around the project area if the application is approved and development proceeds;

f. Discuss the previous items with respect to the cumulative effects from development proposed in applications 61-12090, 61-12095, and 61-12096; and

g. Describe how the applicant intends to become a municipal provider under Idaho Code § 42-202B. Also, describe the applicant's progress with required local government approvals.

This memorandum begins with a brief narrative (Section A) describing changes in the Amended Application for Permit 61-12096, specifically, changes in (1) applicant name, (2) place of use, (3) points of diversion, and (4) maximum diversion rate. Section B addresses questions posed in Steve Lester's letter of April 29, 2009. Section B provides information regarding possessory interest of the place of use, sustainable water supply, potential impacts to nearby wells, water level monitoring plans, cumulative effects, municipal provider status, and information regarding local public interest.

Some of the Section B responses refer to additional hydrogeologic information that is currently being collected by IDWR, the USGS, and Boise State University, or will be collected as part of well construction, testing, and monitoring under Permit 61-12090 (see below). Thus, we anticipate that IDWR may wish to place this reinstated application on hold pending the outcome of current investigations and the subsequent submittal of refined responses to questions regarding Application 61-12095.

A. Narrative Accompanying Amended Application for Permit 61-12096

This section describes changes made to the original Application for Permit 61-12096.

Applicant Name

The original application was made by Elk Creek Canyon LLC. Elk Creek Canyon LLC and Nevid LLC are business entities both managed by Mr. Dennis Rider. Application for Permit 61-12096, in its amended form, is being pursued by Nevid LLC (the owner of the underlying land).

Revised Location

Water requested under Application for Permit No. 61-12096 will be used to serve a proposed residential and commercial development in Sections 5, 6, 7, and 8 in Township 1S, Range 5E in northwestern Elmore County (Figure 1).

Revised Maximum Diversion Rate

Ground water diversions authorized under the proposed permit would be used to supply water for municipal purposes to the Elk Creek Canyon development. Nevid LLC has prepared a revised development plan with 4,384 homes (Figure 2). The requested maximum diversion rate is 20.47 cfs, of which 14.91 cfs (Table 1) is for municipal (potable and residential irrigation) purposes and 5.57 cfs is for fire protection. The estimate for residential irrigation is based on a 0.1-acre irrigated area per residential (or residential equivalent) unit. The projected annual diversion volume is 2,400 acre-feet per year (at full build-out).

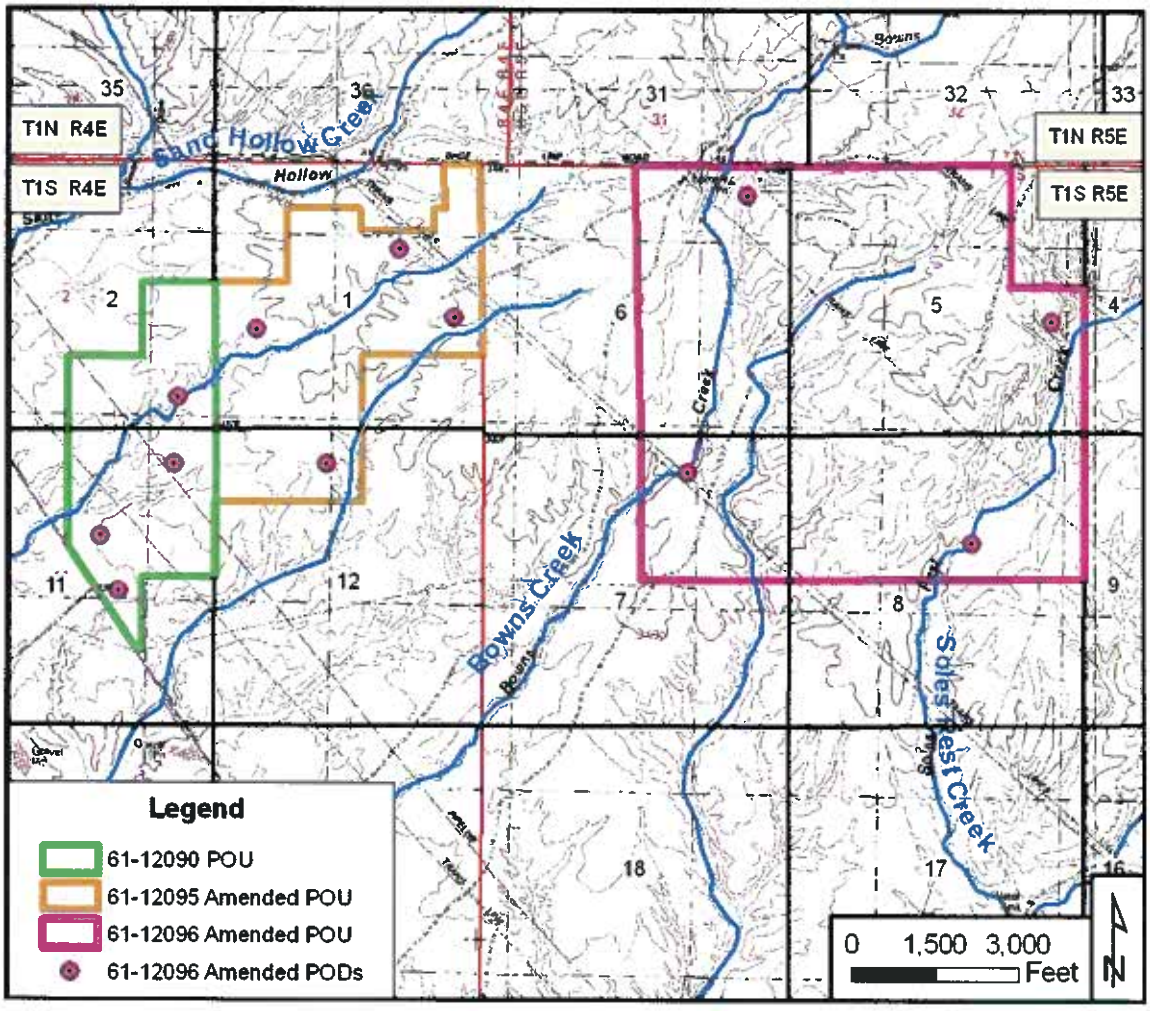


Figure 1. Location map.

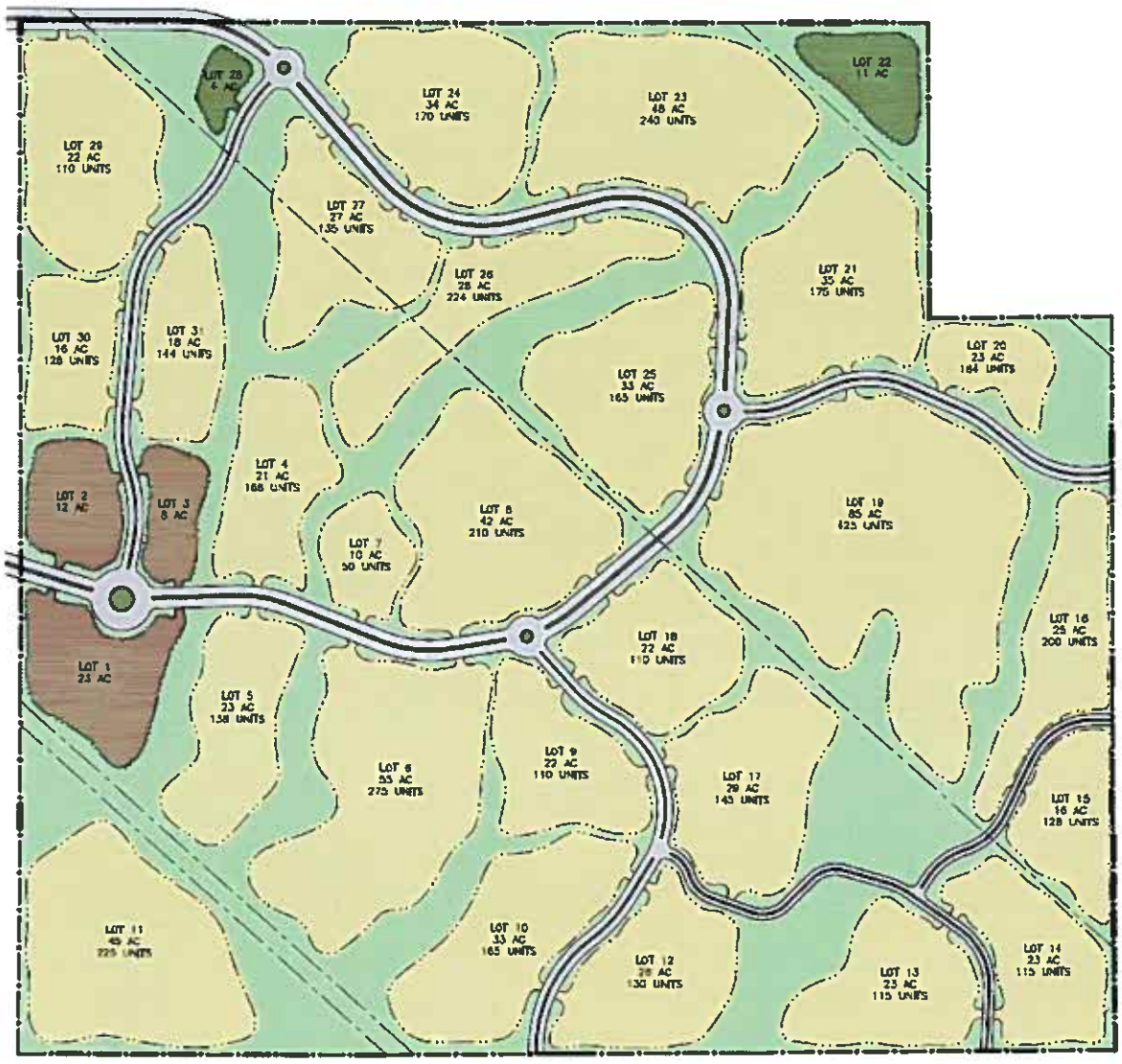


Figure 2. Map showing revised development plan.

Water Demand for Amended Application No. 61-12096 (Elk Creek Canyon)				
Parameter	**Value**	**Units**	**Value**	**Units**
Residential				
Number of residential housing units	4,384	units		
Assumed indoor water demand, per housing unit	200	gpd	0.22	AFA
Aggregate volume per year	320	MGA	982	AFA
Maximum day demand[1]	2,436	gpm	5.43	cfs
Commercial				
Assumed ratio of commercial to residential	5%			
Number of residential-equivalent units	219	units		
Assumed indoor water demand, per residential equivalent unit	200	gpd	0.22	AFA
Aggregate volume per year	16	MGA	49	AFA
Maximum day demand[1]	122	gpm	0.27	cfs
Irrigation (combined residential & comm'l)				
Number of residential and residential equivalent units	4,603			
Maximum irrigated area per residential equivalent unit	0.10	acres		
Total acreage	460.32	acres		
Irrigation season precipitation deficit for irrigated turf[2]	902	mm	2.96	ft/acre
Irrigation consumptive use (total annual volume)	1,362	AFA		
Irrigation delivery rate (per acre)	9	gpm/acre	0.02	cfs/acre
Irrigation demand (maximum diversion rate)[3]	4,132	gpm	9.21	cfs
Fire protection				
Assumed fire protection flow	2,500	gpm	5.57	cfs
Total Residential and Commercial Water Demand (annual volume and average annual diversion)				
Residential and commercial potable use	1,031	AFA	1.42	cfs[4]
Residential and commercial irrigation use	1,362	AFA	1.88	cfs[4]
Total Demand	2,393	AFA	3.31	cfs[4]
Total Water Residential and Commercial Demand (peak diversion rate)				
Residential and commercial potable	2,557	gpm	5.70	cfs
Residential irrigation	4,132	gpm	9.21	cfs
Fire protection	2,500	gpm	5.57	cfs
Total Demand	9,189	gpm	20.47	cfs

Notes:
(1) Based on a delivery of 800 gpd/unit, per IDAPA 58.01.08.552.01(a)
(2) http://www.kimberly.uidaho.edu/ETIdaho/stcvrstats.php?station=100448&cover=17&stats=Deficit
(3) Based on a delivery rate of 0.02 cfs/acre
(4) Average annual rate

Table 1. Estimated water demand for amended application 61-12096.

Revised Points of Diversion

Twelve points of diversion are proposed with locations in Sections 5, 6, 7 and 8 in Township 1S, Range 5E and Sections 1, 2, 11, and 12 in Township 1S, Range 4E. The four points of diversion in Township 1S and Range 5E are within the proposed place of use. Points of diversion in Township 1S and Range 4E are cross-listed with points of diversion in Permit 61-12090 and Application 61-12095 2004 a single, connected public water system.

RAFN Status

The amended application for permit does not seek a municipal use water right based on reasonably anticipated future needs. The Applicant seeks to develop the capacity to divert and beneficially use the requested water within a 5-year development period.

B. Additional Information Needed Before Advertising

This section addresses possessory interest in the proposed place of use and items 3, 4, 5, 6, 7, and 8 on pages 2 and 3 of Steve Lester's letter of April 29, 2009. Several of these responses will be refined during the summer and fall of 2010 based on the results of drilling, logging, and testing a water-supply well authorized under Permit 61-12090 (this effort will also include the construction of two nearby water-level monitoring wells). We anticipate that drilling will lead to a better hydrogeologic description of local stratigraphy, estimates of local hydraulic characteristics, identification of local hydraulic boundary conditions, and insight into local water-level recovery patterns. Furthermore, we anticipate that results of local stream gaging efforts by the USGS will provide additional information regarding local aquifer recharge rates. Similarly, results of seismic testing conducted by Boise State University in the Indian Creek area will provide additional insight regarding potential subsurface structural features.

Possessory Interest

Nevid LLC is the current owner of the property which is the subject of amended application 61-12096, as evidenced by the attached Warranty Deed (Attachment A) conveying the property from J.R. Cornell, Jr. and Dixie Cornell to Nevid LLC. Nevid LLC is the permit applicant.

Adequate, Sustainable Ground Water Supply

Item 3: Demonstrate that an adequate, sustainable ground water supply is available.

Two reports have been submitted to IDWR describing hydrogeologic conditions in the Elk Creek Canyon area:

1. *Groundwater Supply Evaluation for Elk Creek Village, Application for Permit No. 61-12090*, consulting report prepared by SPF Water Engineering, LLC, December 17, 2007.

2. *Response to IDWR memos regarding aquifer recharge along I-84 corridor from Boise to Mountain Home*, memorandum to Norm Semanko, Rose Law Group, from Christian Petrich and Jennifer Sukow, SPF Water Engineering, LLC, March 30, 2009.

Both of these documents provide information showing that there is water available for appropriation in the Elk Creek Canyon area. Both of these documents provide estimates of aquifer recharge within the anticipated capture zone of Elk Creek Village wells drilled under Permit 61-12090 (which is in the vicinity of the proposed place of use under Application 61-12096).

The recharge estimates for the Elk Creek Village area (the POU authorized under Permit 61-12090) range from approximately 2,400 to 8,400 acre-feet per year. The high estimate is greater than the estimated aggregate 3,357 acre-foot annual volume anticipated under Permit/Applications 61-12090, 61-12095, and 61-12096 (see below). The recharge capture area under Application 61-12096 will extend beyond that of Permit 61-12090 because of the greater spatial distribution of the proposed points of diversion under Permit 61-12090 and Applications 61-12095 and 61-12096. The low estimate of recharge for the combined 61-12090, 61-12095, and 61-12096 places of use will likely be greater than that estimated for Permit 61-12090 alone.

Information needed for refining an assessment of water availability will be developed in the coming year (well drilling and aquifer testing under Permit 61-12090, stream gaging, and seismic surveys). A revised water budget projecting water availability will be prepared for Application 61-12096 based on data currently being developed by these efforts.

Impact on GWMA or CGWA

Item 4: Demonstrate that the proposed use of ground water will not result in further ground water level declines in the GWMA or the CGWA

The potential impact of pumping on the Mountain Home GWMA and Cinder Cone Butte CGWA was addressed in the Groundwater Supply Evaluation prepared for Permit 61-12090 (SPF, 2007). Our conceptual model of ground water flow in this area is that the aquifer underlying the Elk Creek Canyon area is separated from the larger Mountain Home regional aquifer by a zone of lower permeability associated with northwest-southeast trending faults (that have been inferred south of the Elk Creek Canyon area in the vicinity of Interstate 84). These false offsets do not create an impermeable barrier (otherwise springs would be present in this area), but may represent a zone of lower hydraulic conductivity. If this conceptual model is correct, a cone of depression caused by pumping in the Elk Creek Canyon area will not propagate radially into the Mountain Home GWMA or the Cinder Cone Butte CGWA as it would if the faulting were not present. We anticipate that evidence regarding the presence of faulting (or lack thereof) will be found in the results

of (1) recent seismic testing in this area and (2) potential boundary effects in drawdown data from pumping tests to be conducted under Permit 61-12090. In summary, faulting south of the Elk Creek Canyon area will inhibit or minimize potential impacts of pumping on the GWMA and CGWA.

Impact to Nearby Wells

Item 5: Document the likelihood of injury to existing wells or springs within a two-mile radius of the proposed points of diversion. Discuss strategies to prevent injury and/or mitigate for possible injury that might occur to those wells and springs.

IDWR requested information about existing wells and springs within a two-mile radius of the proposed points of diversion. Locations of wells (as listed in IDWR's online well construction database) are shown in Figure 3 and are listed in Table 2. Drillers' reports for these wells are provided in Attachment B. There are no known springs in this area.

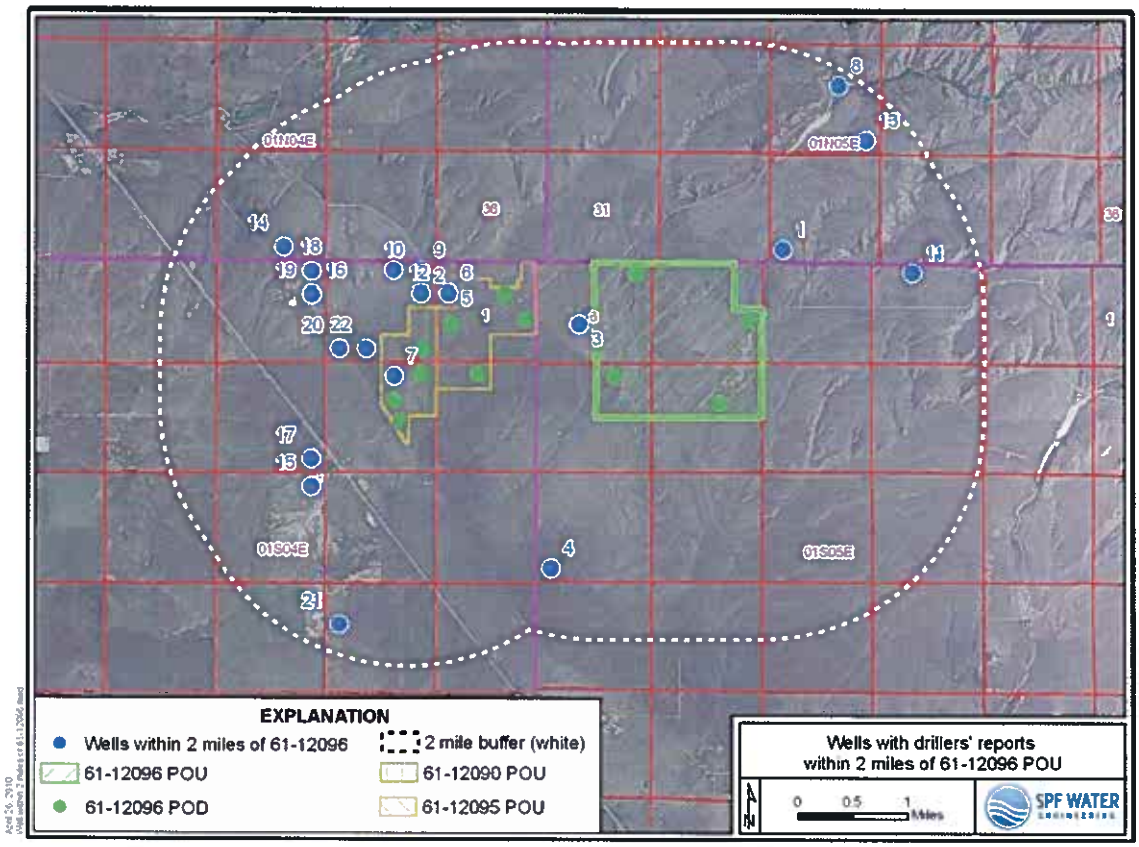


Figure 3. Wells within 2 miles of the place of use for 61-12096.

Wells Within 2 Miles of 61-12096 Points of Diversion														
Well ID	Owner	TWP	Rge	Sec	QQ	Q	Well Address	Well Use	Test Production (gpm)	Static Water Level (ft)	Surface Dia. (in)	Casing Diameter (in)	Casing Depth (in)	Total Depth (in)	Constr. Date
1	Jim Hutchings	01N	05E	33	SW	SW	Base Line Rd	Domestic-Single Residence	50	380	6		518	540	Dec 11 1998
2	Mary Botts	01S	04E	2	NE	NE	5625 Baseline Rd	Domestic-Single Residence	20	310	8		158	540	Jun 2 1999
3	Rick Millington	01S	05E	6	NE	SW	Baseline Rd	Domestic-Single Residence	30	387	6		575	586	Jul 18 1997
4	Fred T & Frances E Smith	01S	05E	18	SW	SW		Domestic-Single Residence	5	334	6		431	431	Mar 26 1990
5	Chris Reninger	01S	04E	1	SW	NW	Baseline Rd Jsut Past Old Hwy 30 Cutoff	Domestic-Single Residence	70	342	6	6	502	516	Apr 10 2001
6	Bob Wickham	01S	04E	1	SW	NW	730 S Prarie Grass Drive	Domestic-Single Residence	20	337	6	6	444	460	Jan 11 2002
7	Ed Dienes	01S	04E	11	NW	NE		Domestic	27	440				543	Jun 27 1979
8	Rich Cornell	01N	05E	28	SW	NE		Stockwater		18				467	Mar 21 1977
9	Dale Meeks	01S	04E	2	NE	NE	Prairie Grass Off Beseline Prad 3 Miles Past Stage Stop	Domestic-Single Residence	30	331	6	6	428	435	Nov 1 2002
10	Rich Cornell	01S	04E	2	NW	NE	1/2 Mile Off Baseline Road	Domestic	20	300	6	6	383	390	Nov 28 2002
11	Kenneth Johnson	01S	05E	3	NE	NW		Domestic	25	268				375	Jul 27 1974
12	Jack Buchanan	01S	04E	2	SE	NE	731 S Prairie Gross Rd (Mayfield)	Domestic-Single Residence	50	331	6	6.6	469	476	May 5 2003
13	Rich Cornell	01N	05E	28	SE	SE		Test		64				300	Mar 24 1971
14	Ronald L & Pamela K Miller	01N	04E	34	SW	SE	Mayfield Rd	Domestic-Single Residence	0	450	5	0	596	620	Sep 23 1999
15	Leonard Eiseman	01S	04E	15	NE	NE	Simco Rd/I-84	Domestic-Single Residence	35	335	8	0	448	467	Jun 26 1994
16	Ronald B & Rosanna K Castle	01S	04E	3	SE	NE	Hc 34, Mayfield Stage, Box 100	Commercial	40	435	6	0	550	678	Apr 25 1996
17	Jim Hisel	01S	04E	10	SE	SE	Mayfield Stage Hc 34	Domestic-Single	10	350	6	0	541	545	Sep 23 1998
18	Jerry Morton	01S	04E	3	NE	NE		Domestic-Single	25	460	6	0	584	586	Nov 11 1989
19	Ronald B & Rosanna K Castle	01S	04E	3	SE	NE	Hc 34 Mayfield Stage Box 100	Commercial	30	338	6	0	490	535	Jul 28 1993
20	Glen & Janet Jorgensen	01S	04E	2	SW	SW	Baseline Rd.	Domestic-Single Residence	20	388	6	6	-608	633	Nov 17 2000
21	William Pipeline West	01S	04E	23	SW	NW	3 Miles South On Simco Road	Cathodic Protection	0	0	10	8	500	500	Oct 30 2001
22	Big View Builders	01S	04E	2	SE	SW	1020 Desert Wind Rd	Domestic-Single	15	365	6	6	278	504	Feb 15 2004

Source: IDWR on-line well construction database; well locations have not been verified

Table 2. Wells within 2 miles of the proposed 61-12096 points of diversion.

The wells range in depth from 300 to 566 feet; recorded static water levels following well construction range from 18 to 440 feet. Test production rates ranged from 5 to 70 gallons per minute (gpm), although these rates generally reflect short-duration testing (generally 1 to 2 hours) and well diameter (most of these wells are constructed for domestic uses).

The potential impact of pumping under Application 61-12096 will be evaluated this summer by the testing and monitoring of a new water-supply well drilled under Permit 61-12090. Hydraulic parameter values obtained from the results of this testing will be used to further evaluate potential impacts of pumping under Application 61-12096.

Strategies to prevent and/or mitigate for possible injury include the following:

1. Evaluate responses to test-pumping under Permit 61-12090 in dedicated shallow and deep monitoring wells (and other nearby wells if available and accessible).

2. Evaluate responses to groundwater withdrawals under Permit 61-12090 and 61-12095 (if approved).

3. Project the potential response to water levels in the vicinity of the proposed withdrawals under Application 61-12096 based on results of test pumping and actual pumping under Permit 61-12190 and 61-12095 (if approved).

4. Monitor the response to test pumping and initial pumping under Permit 61-12096 (if approved) in wells within Elk Creek Village, Elk Creek Canyon, and nearby areas.

5. The applicant will mitigate for injury to other water-right holders if unforeseen water-level changes occur as a result of pumping under Permit 61-12096 (if approved). Mitigation could include changes to water system operation, lowering pumps in and/or deepening wells of injured water-right holders (at the Applicant's expense), offering to connect nearby injured water-right holders to a public water system (at the Applicant's expense), or other measures.

Monitoring Plans

Item 6: Discuss plans to monitor and report data about ground water supply and ground water levels in and around the project area if the application is approved and development proceeds.

If Application No. 61-12096 is approved, the applicant will prepare and submit to IDWR for approval a plan for monitoring and reporting withdrawal rates, withdrawal volumes, water levels in project wells, and water levels in nearby wells (to the extent available and accessible). The monitoring plan will include the following components:

1. Install flow meters on all points of diversion. Read meters on a monthly basis.

2. Evaluate responses to test-pumping under Permit 61-12090 in dedicated shallow and deep monitoring wells (and other nearby wells if available and accessible). Evaluate responses to additional test-pumping under Applications 61-12095 and 61-12096 (if approved).

3. Monitor water levels in on-site pumping wells authorized under Permit/Applications 61-12090, 61-12095, and 61-12096, monitoring wells, and nearby, accessible private wells on a quarterly basis.

4. Compile production and water-level data on a quarterly basis and submit to IDWR for review.

Item 7: Cumulative effects

Item 7: Discuss Items 3 through 6 with respect to the cumulative effect of the development proposed in Applications 61-12090, 61-12095, and 61-12096.

The combined anticipated maximum diversion rates, average diversion rates, and annual volumes under Permit/Applications 61-12090, 61-12095, and 61-12096 are listed in Table 3. The cumulative impact of these diversions will be influenced by (1) the radial extent of multiple cones of depression formed in response to pumping, (2) local recharge rates, (3) aquifer characteristics (hydraulic parameter values and subsurface hydraulic boundary conditions). The combined impact of pumping under these applications is not expected to injure existing water rights.

A water budget providing estimates of water available for appropriation in the area was submitted for Permit 61-12090 (SPF, 2007). The capture zone for this water budget was based on an assumed 1-mile pumping radius around Elk Creek Village wells (i.e., those wells authorized under Permit 61-12090). Pumping under Applications 61-12095 and 61-12096 will extend this zone of influence to a larger area (because of well distribution), increasing the local capture area. The aggregate zone of influence of wells under all three permits and applications will be estimated, in part, based on the results of this summer's pumping tests under Permit 61-12090. Similarly, potential cumulative effects of new pumping in the Elk Creek Village and Elk Creek Canyon developments will be evaluated based on the results of this summer's well testing. The results of these efforts will provide a (1) refined quantification of sustainable groundwater supply, (2) demonstration that the proposed use of ground water will not impact groundwater levels in the CGWA or the CGWA, and (3) evaluation of impact to nearby wells. We understand that IDWR may wish to place this reinstated application on hold pending the results of these analyses.

Permit/ Application	No. of residential and residential-equivalent units	Irrigated area (acres)	Maximum diversion rate		Estimated annual average diversion rate (cfs)	Annual diversion volume (afa)
			Municipal and fire protection (cfs)	Municipal only (cfs)		
61-12090[1]	176	*58.1*	4.02	1.82	*1.16*	345
61-12095[2]	750	*150.0*	5	*4.20*	*0.85*	*612*
61-12096[3]	4,603	*460.3*	20.47	14.90	*3.31*	*2,400*
Total	5,529	668.40	29.49	20.92	*5.31*	3,357

Notes:
Italic values are estimates
(1) Based on information in Permit 61-12090
(2) Based on information in Application 61-12095
(3) Based on accompanying Amended Application 61-12096

Table 3. Maximum diversion rates, average diversion rates, and annual volumes for Permit/Applications 61-12090, 61-12095, and 61-12096.

Information Regarding Local Public Interest

Item 8: For Rule 40 information regarding local public interest, describe how the applicant intends to become a municipal provider under Idaho Code § 42-202B. Also, describe the applicant's progress with required local government approvals.

The proposed water system will be a public water system as defined by IDAPA 58.01.08 (*Idaho Rules for Public Drinking Water Systems*). Nevid LLC will submit a water system facility plan, engineering plans and specifications, and other required documents to the Idaho Department of Environmental Quality (IDEQ) for review and approval prior to construction of the water system facilities. IDEQ will also require the applicant to submit documentation of technical, financial, and managerial capacity to construct, operate, and maintain the public water system. Because the public water system will be regulated by IDEQ, the applicant will meet the definition of a "municipal provider" as described by Idaho Code §42-202B(5)(c).

Nevid LLC has filed the appropriate applications with Elmore County to develop properties to be served by water right permit 61-12090 and water right application 61-12095. Nevid LLC has met with Elmore County regarding the development to be served by water right application 61-12096 and understands that a separate application must be made with Elmore County because the Elk Creek Canyon parcels are not contiguous with the Elk Creek Village parcels to be served under Permit 61-12090 and Application 61-12095 (if approved). Nevid LLC will proceed with the appropriate Elmore County development

application after a final determination is made concerning availability of water and water rights, as this will determine the extent of the planned community application.

References

SPF, 2007. Groundwater Supply Evaluation for Elk Creek Village, Application for Permit No. 61-12090, Consulting report prepared by SPF Water Engineering, LLC for Elk Creek Canyon, LLC.

File: 591.0096

Attachment A:

Warranty Deed for Elk Creek Canyon Land

06-1048

WARRANTY DEED

FOR VALUE RECEIVED
J.R. Cornell, Jr. aka Joseph Richard Cornell, Jr. aka Rich Cornell and Dixie Cornell, husband and wife

GRANTOR(S), does(do) hereby GRANT, BARGAIN, SELL and CONVEY unto
Nevid LLC, a Nevada limited liability company

GRANTEE(S), whose current address is: 1349 Galleria Drive, Ste. Henderson, NV 89014
the following described real property in Elmore County, State of Idaho, more particularly described as follows, to wit:

Township 1 South, Range 4 East, Boise Meridian, Elmore County, Idaho

Section 1: SE1/4NW1/4, SW1/4, U.S. Government Lots 5 and 6, NW1/4SE1/4, U.S. Government Lot 1 Save and Except the Westerly 200 feet, and SW1/4NE1/4 Save and Except the Northerly 400 feet
Section 12: N1/2NW1/4

Township 1 South, Range 5 East, Boise Meridian, Elmore County, Idaho

Section 5: U.S. Government Lots 2, 3, and 4, S1/2, S1/2NW1/4, SW1/4NE1/4
Section 6: U.S. Government Lots 1 and 2, S1/2NE1/4
Section 7: NE1/4
Section 8: N1/2

TO HAVE AND TO HOLD the said premises, with their appurtenances unto the said Grantee(s), and Grantee(s) heirs and assigns forever. And the said Grantor(s) does(do) hereby covenant to and with the said Grantee(s), that Grantor(s) is/are the owner(s) in fee simple of said premises; that said premises are free from all encumbrances, EXCEPT those to which this conveyance is expressly made subject and those made, suffered or done by the Grantee(s); and subject to reservations, restrictions, dedications, easements, rights of way and agreements, (if any) of record, and general taxes and assessments, (including irrigation and utility assessments, if any) for the current year, which are not yet due and payable, and that Grantor(s) will warrant and defend the same from all lawful claims whatsoever. , except those of record.

Dated: May 15, 2007

J.R. Cornell, Jr.

Dixie Cornell

STATE OF Idaho, County of Elmore, ss.
On this 15th day of June
In the year of 2007, before me, the undersigned, a Notary

Attachment B:

Idaho Secretary of State Information regarding Nevid LLC and Elk Creek Canyon LLC

APPLICATION FOR REGISTRATION OF FOREIGN LIMITED LIABILITY COMPANY

(Instructions on back of application)

FILED EFFECTIVE
07 OCT 26 AM 8:42
SECRETARY OF STATE
STATE OF IDAHO

1. The name of the limited liability company is:

   NEVID LLC

2. If the name of the limited liability company is not permissible or is not available in Idaho, the name the foreign limited liability company will use in Idaho is:

   ____

3. The jurisdiction under whose laws the limited liability company is organized is: NEVADA
   and the date of its formation was: 5/30/07

4. The name and address of the registered agent in Idaho is:

   KARL L. DECKER, 1000 Riverwalk Drive, Suite 200, Idaho Falls, ID 83405

5. The address of the limited liability company's office in the jurisdiction under whose laws it is organized is:

   1349 GALLERIA DRIVE, SUITE 200, HENDERSON, NV 89014

6. The address of the limited liability company's principal office, if other than the address in #5 above, is:

   ____

7. The address to which correspondence should be addressed is:

   1349 GALLERIA DRIVE, SUITE 200, HENDERSON, NV 89014

8. Signature of a manager, if any, or a member if there are no managers.

Signature [signature]

Typed Name DENNIS RIDER

Manager ☑ Member ☐

Secretary of State use only

IDAHO SECRETARY OF STATE
10/26/2007 05:00
CK: 1004 CT: 218985 BH: 1082522
1 @ 100.00 = 100.00 REGFORGLLC # 2

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Vet. Form

W68021

SECRETARY OF STATE

STATE OF NEVADA

CERTIFICATE OF EXISTENCE WITH STATUS IN GOOD STANDING

I, ROSS MILLER, the duly elected and qualified Nevada Secretary of State, do hereby certify that I am, by the laws of said State, the custodian of the records relating to filings by corporations, non-profit corporations, corporation soles, limited-liability companies, limited partnerships, limited-liability partnerships and business trusts pursuant to Title 7 of the Nevada Revised Statutes which are either presently in a status of good standing or were in good standing for a time period subsequent of 1976 and am the proper officer to execute this certificate.

I further certify that the records of the Nevada Secretary of State, at the date of this certificate, evidence, **NEVID LLC**, as a limited liability company duly organized under the laws of Nevada and existing under and by virtue of the laws of the State of Nevada since May 30, 2007, and is in good standing in this state.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Great Seal of State, at my office on October 18, 2007.

ROSS MILLER
Secretary of State

Electronic Certificate
Certificate Number: C20071018-1136
You may verify this electronic certificate online at http://secretaryofstate.biz/

No. W 68021	Due no later than Oct 31, 2009 **Annual Report Form**	2. Registered Agent and Address (NO PO BOX)
Return to: SECRETARY OF STATE 700 WEST JEFFERSON PO BOX 83720 BOISE, ID 83720-0080 **NO FILING FEE IF RECEIVED BY DUE DATE**	1. Mailing Address: Correct in this box if needed. NEVID LLC 1349 W GALLERIA DR STE 200 HENDERSON NV 89014 USA	KARL L DECKER 1000 RIVERWALK DR STE 200 IDAHO FALLS ID 83405 3. New Registered Agent Signature:*

4. Limited Liability Companies: Enter Names and Addresses of at least one Member or Manager.

Office Held	Name	Street or PO Address	City	State	Country	Postal Code
MANAGER	STEVE KIESEL	1349 W GALLERIA DR STE 200	HENDERSON	NV	USA	89014
MANAGER	DENNIS RIDER	1349 W GALLERIA DR STE 200	HENDERSON	NV	USA	89014

5. Organized Under the Laws of:	6. Annual Report must be signed.*	
NV **W 68021**	Signature: Dennis Rider	Date: 09/22/2009
	Name (type or print): Dennis Rider	Title: Manager
Processed 09/22/2009	* Electronically provided signatures are accepted as original signatures.	

253

2006 DEC 15 PM 12:39
SECRETARY OF STATE
STATE OF IDAHO

APPLICATION FOR REGISTRATION OF FOREIGN LIMITED LIABILITY COMPANY

(Instructions on back of application)

FILED EFFECTIVE

1. The name of the limited liability company is:

   ELK CREEK CANYON LLC

2. If the name of the limited liability company is not permissible or is not available in Idaho, the name the foreign limited liability company will use in Idaho is:

3. The jurisdiction under whose laws the limited liability company is organized is: NEVADA
   and the date of its formation was: DECEMBER 1, 2006

4. The name and address of the registered agent in Idaho is:

   KARL R. DECKER 1000 RIVERWALK DRIVE, SUITE 200, IDAHO FALLS, ID 83402

5. The address of the limited liability company's office in the jurisdiction under whose laws it is organized is:

   1349 GALLERIA DRIVE, SUITE 200, HENDERSON, NV 89014

6. The address of the limited liability company's principal office, if other than the address in #5 above, is:

7. The address to which correspondence should be addressed is:

   1349 GALLERIA DRIVE, SUITE 200, HENDERSON, NV 89014

8. Signature of a manager, if any, or a member if there are no managers.

Signature Dennis Rider

Typed Name Dennis Rider

Manager ☒ Member ☐

Secretary of State use only

Web Form

IDAHO SECRETARY OF STATE
12/15/2006 05:00
CK: 85859 CT: 287524 BH: 1828869
1 @ 100.00 = 100.00 REGFORGLLC @ 2
1 @ 20.00 = 20.00 EXPEDITE C @ 3

W57080

SECRETARY OF STATE

STATE OF NEVADA

CERTIFICATE OF EXISTENCE WITH STATUS IN GOOD STANDING

I, DEAN HELLER, the duly elected and qualified Nevada Secretary of State, do hereby certify that I am, by the laws of said State, the custodian of the records relating to filings by corporations, non-profit corporations, corporation soles, limited-liability companies, limited partnerships, limited-liability partnerships and business trusts pursuant to Title 7 of the Nevada Revised Statutes which are either presently in a status of good standing or were in good standing for a time period subsequent of 1976 and am the proper officer to execute this certificate.

I further certify that the records of the Nevada Secretary of State, at the date of this certificate, evidence, **ELK CREEK CANYON LLC**, as a limited liability company duly organized under the laws of Nevada and existing under and by virtue of the laws of the State of Nevada since December 1, 2006, and is in good standing in this state.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Great Seal of State, at my office on December 6, 2006.

Dean Heller

DEAN HELLER
Secretary of State

By

Certification Clerk

No. **W 57080**	**Due no later than Dec 31, 2009** **Annual Report Form**	2. Registered Agent and Address **(NO PO BOX)**
Return to: SECRETARY OF STATE 700 WEST JEFFERSON PO BOX 83720 BOISE, ID 83720-0080 **NO FILING FEE IF RECEIVED BY DUE DATE**	**1. Mailing Address: Correct in this box if needed.** ELK CREEK CANYON LLC KATHY JONES WOODS ERICKSON WHITAKER 1349 W. GALLERIA DR STE 200 HENDERSON NV 89014	KARL R DECKER 1000 RIVERWALK DR STE 200 IDAHO FALLS ID 83402 3. New Registered Agent Signature:*

4. Limited Liability Companies: Enter Names and Addresses of at least one Member or Manager.

Office Held	Name	Street or PO Address	City	State	Country	Postal Code
MANAGER	DENNIS RIDER	1349 W. GALLERIA DR STE 200	HENDERSON	NV	USA	89014

5. Organized Under the Laws of:	6. Annual Report must be signed.*	
NV **W 57080**	Signature: Dennis Rider	Date: 12/14/2009
	Name (type or print): Dennis Rider	Title: Manager
Processed 12/14/2009	* Electronically provided signatures are accepted as original signatures.	

Attachment C:

Drillers' Reports for Wells within Two Miles of Proposed Place of Use under Application No. 61-12096

Form 238-7
3/95

#9003

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

064767

Office Use Only
Inspected by _____
Twp____ Rge____ Sec____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

1

1. DRILLING PERMIT NO. 61-98-W 0078-000
Other IDWR No. _____

2. OWNER:
Name Jim Hutchings
Address 13690 S Cloverdale
City Kuna State ID Zip 83634

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 1 North ☑ or South ☐
Rge. 5 East ☑ or West ☐
Sec. 33 ____ 1/4 Sec 1/4 (10 acres) Sec 1/4 (40 acres) 1/4 (160 acres)
Gov't Lot ____ County Elmore
Lat: : : Long: : :
Address of Well Site Rose Lane Rd.
City Mountain Home
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☑ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☑ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	20'	600	Pour

Was drive shoe used? ☑ Y ☐ N Shoe Depth(s) 518
Was drive shoe seal tested? ☐ Y ☐ N How? Air

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	+2	518	250	Steel	☑	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
260 ft. below ground Artesian pressure _____ lb.
Depth flow encountered 525 ft. Describe access port or control devices: CAP

11. WELL TESTS:
☐ Pump ☐ Bailer ☑ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
50	500	500	4 Hr.

Water Temp. 56 Bottom hole temp. 56
Water Quality test or comments: _____
Depth first Water Encountered 260

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
6	0	2	TOP Soil		
	2	4	Hard Pan		
	4	18	Brn CLAY		
6	18	190	Brn Sand & CLAY		
	190	222	LAVA		
	222	260	Brn Sand CLAY		
	260	440	CLAY & Soft Layers	✓	
6	440	470	Gravel	✓	
	470	525	CLAY & Shale Sand Layers	✓	
	525	540	Sand & Gravel	✓	

RECEIVED
DEC 21 1998
Department of Water Resources

RECEIVED MICROFILMED
DEC 16 1998 MAR 11 A 1999
WATER RESOURCES WESTERN REGION

Completed Depth 525 (Measurable)
Date: Started 12-10-98 Completed 12-11-98

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

Firm Name Clarke Drilling Firm No. 560
Firm Official _____ Date 12-12-98
and
Supervisor or Operator _____ Date _____
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

C

Form 238-7
3/95-C96

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT 053590

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. 61-99-W-0028-000
Other IDWR No. D0009421

2. OWNER:
Name Mary Botts
Address 5625 Baseline Rd.
City Boise State ID Zip 83617

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N
W E S

Twp. 1 North ☐ or South X
Rge. 4 East X or West ☐
Sec. 2 1/4 (10 acres) NE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't lot ____ County Elmore
Lat: : : Long: : :
Address of Well Site 5625 Baseline Rd. - Tippanuk
City Boise
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
X Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
X New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD
X Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	158	4000 lbs	Overbore

Was drive shoe used? ☐ Y X N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y X N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Materia	Casing	Liner	Welded	Threaded
8.625	+6"	158'	.250	SS	X	☐	X	☐
8.625	+2	523	.250	SS	X	☐	X	☐
5.563	523	537	.258	STEEL	☒	☐	☒	☐

Length of Headpipe 523' Length of Tailpipe 3'

9. PERFORATIONS/SCREENS
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Materia	Casing	Liner
523	533	.020		5.563	SS	X	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
310 ft. below ground Artesian Pressure ____ lb
Depth flow encountered Describe access port or control devices:

11. WELL TESTS:
☐ Pump ☐ Bailer X Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
20+			

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encountered ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temp.	Water Y	Water N
12"	0	2	Top Soil		X
12"	2	10	Sandy Clay		X
12"	10	138	Tan Sand & Clay Seam		X
12-8	138	175	Brown Sand & Clay Seam		X
8"	175	195	Sand Stone		X
8"	195	210	Brown Clay		X
8"	210	215	Sand & Clay Seam		X
8"	215	290	Tan Clay & Sand Seam		X
8"	290	312	Sand-10/20		X
8"	312	330	Sand & Clay Seam		X
8"	330	350	Coarse Sand		X
8"	350	367	Clay & Sand Seam		X
8"	367	400	Brown Clay & Sand Seam		X
8"	400	462	Tan Clay & Sand Seam		X
8"	462	465	Tan Clay & Some Pea Gravel		X
8"	465	514	Light Tan Clay & Some Stone		X
8"	514	522	Sand Stone		X
8"	522	534	Coarse Sand	X	
8"	534	540	Ash Color Clay		X

MICROFILMED
OCT 13 1999

RECEIVED
JUL - 1 1999
Department of Water Resources

RECEIVED
JUN 22 1999
WATER RESOURCES
WESTERN REGION

Completed Depth: 537' (Measurable)
Date: Started 5-18-99 Completed 6-2-99

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

Firm Name Hiddleston & Son, Inc. Firm No. 35
Firm Official ____ Date 6/17/99
Supervisor or Operator John Smith Date 6/17/99

C

Form 238-7
3/95-696

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT 065952

Office Use Only
Inspected by
Twp Rge Sec
1/4 1/4 1/4 1/4
Lat: : : Long: : :

3

1. DRILLING PERMIT NO. 61 -97 -W -0033 -000
Other IDWR No.

2. OWNER:
Name Rick Millington
Address 8011 Ustick Rd.
City Boise State ID Zip 83704

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N
W E
S

Twp. 1 North ☐ or South ☒
Rge. 5 East ☒ or West ☐
Sec. 6 1/4 (10 acres) NE 1/4 (40 acres) SW 1/4 (160 acres)
Gov't lot County Elmore
Lat: : : Long: : :
Address of Well Site Baseline Rd
City Mayfield
(Give at least name of road + Distance to Road or Landmark)
Lt. Blk. Sub. Name

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite	2	18	6	overbore

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1	575	.250	steel	☒	☐	☒	☐
8"	0	80	.250	steel	☒	☐	☒	☐
					☐	☐	☐	☐

Length of Headpipe Length of Tailpipe

9. PERFORATIONS/SCREENS
☐ Perforations Method
☐ Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
387 ft. below ground Artesian Pressure lb
Depth flow encountered ft. Describe access port or control devices:

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
30		560	2 hrs.

Water Temp. Bottom hole temp.
Water Quality test or comments:
Depth first Water Encountered 455

12. LITHOLOGIC LOG: (Describe repair or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temp.	Water Y	Water N
10"	0	1	brown top soil		☒
10"	1	3	brown clay		☒
10"	3	5	brown hardpan clay		☒
10"	5	20	brown sand		☒
8"	20	24	brown clay		☒
8"	24	60	brown clay & strips brown sand		☒
8"	60	114	white & brown soft granite		☒
8"	114	117	black granite		☒
8"	117	160	white & brown granite		☒
8"	160	175	brown granite chips		☒
8"	175	225	white & brown granite		☒
8"	225	338	brown clay		☒
8"	338	365	clear & white grnt. w/strps brn clay		☒
8"	365	402	brown fine sand		☒
8"	402	440	brn snad w/strips of clay		☒
6"	440	455	brown sandy clay		☒
6"	455	473	brown sand w/small gravel	☒	
6"	473	495	brown clay		☒
6"	495	528	brown sand & small gravel	☒	
6"	528	533	brown sandy clay		☒
6"	533	561	brown & white sand		☒
6"	561	566	light brown clay		☒
6"	566		gray sand	☒	

RECEIVED
SEP 11 1997
Department of Water Resources

RECEIVED
SEP - 4 1997
WATER RESOURCES
WESTERN REGION

Completed Depth: 387 (Measurable)
Date: Started 07-11-97 Completed 07-18-97

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

Firm Name SOS Welldrilling & Pump Co Firm No. 212
Firm Official Brad Simmons Date 9-2-97
Supervisor or Operator Tonya Simmons Date 9-2-97
(Sign once if Firm Official & Operator)

Date: 08/22/97 Time: 4:11 PM

MICROFILMED
JAN 05 1998

Form 238-7
6/89

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

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

1. WELL OWNER

Name FRED T. & FRANCES E. SMITH
Address Hc 34 SIMCO RD BOISE, ID 83706
Owner's Permit No. 61-90-W-002

2. NATURE OF WORK

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

3. PROPOSED USE

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

4. METHOD DRILLED

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

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.125 inches	6 inches +	2 feet	431 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

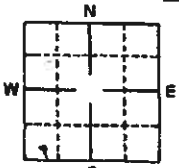
Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number		From	To
_____	perforations	_____ feet	_____ 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 10' Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☒ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Elmore
SW ¼ SW ¼ Sec. 18 T. 1 N ☐ S ☒ R. 5 W ☐

MICROFILMED MAY 05 1992

7. WATER LEVEL

Static water level 334' feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow 5
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 58 °F. Quality GOOD
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
	0	2	SURFACE SOIL		
	2	8	DECOMPOSED GRANITE		
	8	190	D. G. / CLAY		
	190	193	BOULDERS SAND STONE		
	193	300	D. G. / Clay		
	300	307	D. G.		
	307	334	D. G. / Clay		
	334	340	SAND / WATER	✓	
	340	376	SAND / CLAY		
	376	380	SAND	✓	
	380	396	SAND / Clay		
	398	400	SAND / WATER	✓	
	400	427	SAND / Clay		
	427	431	SAND / WATER	✓	
	396	398	Clay		

RECEIVED APR 25 1990 Department of Water Resources
RECEIVED APR 19 1990 Department of Water Resources
RECEIVED APR 23 1990 Department of Water Resources Western Regional Office

10.

Work started 6 FEB 90 finished 26 MAR 90

11. DRILLERS CERTIFICATION

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

Firm Name Clear Creek Well Drilling Firm No. 476
Address 12410 AIRPORT RD MTN HOME, ID Date 14 APR 90
Signed by (Firm Official) George A. Hanley
and
(Operator) _____

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

160411

5

Form 238-7
3/95-C96

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. __ - __ - __ - ___ - ___
Other IDWR No. D0018029

2. OWNER:
Name Chris Reninger
Address P.O. Box 190782
City Boise State ID Zip 83719

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N
W E
S

Twp. 1 North ☐ or South ☒
Rge. 4 East ☒ or West ☐
Sec. 1 1/4 (10 acres) SW 1/4 (40 acres) NW 1/4 (160 acres)

Gov't lot _____ County Elmore
Lat: : : Long: : :
Address of Well Site Baseline Rd just past Old Hwy. 30 cut-off City Boise
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite	0'	18+'	25 sacks	overbore

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2'	502'	.250	steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 12' Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method pull back
☒ Screens Screen Type telescoping

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
504'	514'	.020		5.5"	StSt	☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
342 ft. below ground Artesian Pressure _____ lb
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
70 GPM		500'	2 hrs.

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered 355'

12. LITHOLOGIC LOG: (Describe repair or abandonment)

Bore Dia	From	To	Remarks:Lithology, Water Quality & Temp.	Water Y	Water N
10"	0'	2'	brown top soil		☒
10"	2'	4'	brown hard pan		☒
10"	4'	6'	hard brown clay		☒
10"	6'	8'	coarse brown sand		☒
10"	8'	18'	brown clay		☒
8"	18'	21'	brown clay		☒
8"	21'	65'	brown clay & coarse sand strips		☒
8"	65'	72'	brown & white decomposed granite		☒
8"	72'	85'	bron clay		☒
8"	85'	150'	soft brown & white granite		☒
8"	150'	166'	soft white granite		☒
8"	166'	203'	black & brown granite		☒
8"	203'	240'	soft white granite		☒
8"	240'	290'	brown clay & coarse sand strips		☒
8"	290'	305'	white & brown granite		☒
8"	305'	312'	hard brown clay		☒
8"	312'	355'	brown clay & coarse white sand strip		☒
8"	355'	358'	white & brown sand	☒	
8"	358'	361'	brown clay		☒
6"	361'	381'	brown clay		☒
6"	381'	384'	brown sand	☒	
6"	384'	397'	brown clay		☒
6"	397'	415'	coarse brown sand w/sandy clay strip	☒	
6"	415'	448'	coarse white & brown sand	☒	
6"	448'	457'	brown clay		☒
6"	457'	461'	crse/fine brn & wht sand w/gravel	☒	
6"	461'	470'	sandy clay & sm sand & gravel strips		☒
6"	470'	502'	coarse/fine brown sand packed		☒
6"	502'	504'	brown clay		☒
6"	504'	515'	white sand & small gravel	☒	

Completed Depth: 516 (Measurable)
Date: Started 4-3-01 Completed 4-10-01

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

Firm Name _____ Firm No. _____
Firm Official Tony Herbst Date 5-17-00
Supervisor or Operator Tony Herbst Date 5-17-0
(Sign once if Firm Official is Operator)

RECEIVED
Date: 5/16/01 Time:9:18 AM
JUN - 4 2001
Department of Water Resources

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MAY 17 2001
WATER RESOURCES
WESTERN REGION

870655-775948

Form 238-7
3/95-C96

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

6

1. DRILLING PERMIT NO. - - - - -
Other IDWR No. D0019537

2. OWNER:
Name Bob Wickham
Address 730 S. Prairie Grass Dr.
City Boise State ID Zip 83716

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N
W X E
S

Twp. 1 North ☐ or South X
Rge. 4 East X or West ☐
Sec. 1 1/4 (10 acres) SW 1/4 (40 acres) NW 1/4 (160 acres)
Gov't lot County Elmore
Lat: : : Long: : :
Address of Well Site 730 S. Prairie Dr.
City Mtn Home
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
X Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply (Replacement etc.)
X New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD
X Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonie	0	20	700 lbs.	Overbore

Was drive shoe used? X Y ☐ N Shoe Depth(s)
Was drive shoe seal tested? ☐ Y X N How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6.625	+1	444	.250	Steel	X	☐	X	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 6' Length of Tailpipe 3'

9. PERFORATIONS/SCREENS
☐ Perforations Method
X Screens Screen Type Johnson

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
445	450	.030		5"	SS	☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
337 ft. below ground Artesian Pressure ___ lb
Depth flow encountered ___ ft. Describe access port or control devices:

11. WELL TESTS:
☐ Pump ☐ Bailer X Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
20			1 hr

Water Temp. 68 Bottom hole temp.
Water Quality test or comments:
Depth first Water Encountered 415'

12. LITHOLOGIC LOG: (Describe repair or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temp.	Water Y	Water N
10"	0	2	Top Soil		X
10"	2	7	Cleache		X
10"	7	18	Sand & Gravel		X
6"	18	30	Sand & Gravel		X
6"	30	34	Brown Clay		X
6"	34	225	Sand & Gravel w/ Clay Seams		X
6"	225	236	Brown Clay		X
6"	236	250	Tan Sand Stone		X
6"	260	415	Sand & Gravel w/ Clay Seams		X
6"	415	428	Coarse Sand	X	
6"	428	441	Brown Clay		X
6"	441	455	Coarse Sand	X	
6"	455	460	Brown Clay		X

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WATER RESOURCES
WESTERN REGION

Completed Depth: 455' (Measurable)
Date: Started 1-04-02 Completed 1-11-02

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

Firm Name Hiddleston & Son, Inc. Firm No. 35
Firm Official [signature] Date 04-22-02
Supervisor or Operator Matt Hiddleston Date 4-17-02
(Sign once if Firm Official & Operator)

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALL POINT PEN

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.

7

1. WELL OWNER

Name ED DIENES

Address MT. HOME

Owner's Permit No. –

2. NATURE OF WORK

☑ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

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

4. METHOD DRILLED

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

5. WELL CONSTRUCTION

Casing schedule: ☑ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	8" inches	+ 1 feet	340 feet
.250 inches	6" inches	1 feet	360 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

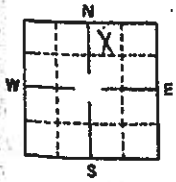
Was casing drive shoe used? ☑ Yes ☐ No
Was a packer or seal used? ☐ Yes ☑ No
Perforated? ☐ Yes ☑ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ 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 40 Material used in seal: ☐ Cement grout ☑ Puddling clay ☑ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☑ Overbore to seal depth
Method of joining casing: ☐ Threaded ☑ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL 61

Sketch map location must agree with written location.



Subdivision Name –
Lot No. – Block No. –
County ELMORE
NW ¼ NE ¼ Sec. 11, T. 1 N S R. 4 E W.

7. WATER LEVEL

Static water level 440 feet below land surface.
Flowing? ☐ Yes ☑ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☑ Cap ☐ Plug
Temperature ____°F. Quality _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☑ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
27	–	3

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	340	SAND & CLAY		✓
6	340	362	SAND & CLAY		✓
	362	543	LAVA	✓	

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JAN 3 1980
Department of Water Resources
Western Regional Office

10. Work started 6-6-79 finished 6-27-79

11. DRILLERS CERTIFICATION

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

Firm Name H2O Well Drilling Firm No. 303
Address 11919 HIGHLAND TR Date 9-1-79
Signed by (Firm Official) Bruce H Connolly
and
(Operator) Bruce H Connolly

MICROFILMED

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

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

RECEIVED
1978
Department of Water Resources

WELL DRILLER'S REPORT

8

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

1. WELL OWNER
Name Rich Cornwell
Address Boise, Ida
Owner's Permit No.

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

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

4. METHOD DRILLED
☐ Cable ☑ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION
Diameter of hole 6 inches Total depth 467 feet
Casing schedule: ☑ Steel ☐ Concrete

Thickness	Diameter	From	To
250 inches	8⅝ inches	+ 1 feet	32 feet
250 inches	6⅝ inches	2 feet	467 feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet

Was casing drive shoe used? ☑ Yes ☐ No
Was a packer or seal used? ☐ Yes ☑ No
Perforated? ☑ Yes ☐ No
How perforated? ☑ Factory ☐ Knife ☐ Torch
Size of perforation ¼ inches by 3 inches

Number		From	To
____	perforations	____ feet	____ feet
____	perforations	____ feet	____ feet
____	perforations	____ feet	____ feet

1920 Emery 3rd joint Form 60-420
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 23 Material used in seal ☐ Cement grout ☑ Puddling 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.

61

N / W / E / S

Subdivision Name
Lot No. Block No.
County Elmore
SW ¼ NE ¼ Sec. 28 T. 1 N/S R. 5 E/W

7. WATER LEVEL
Static water level 18 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

8. WELL TEST DATA
☐ Pump ☐ Bailer ☑ Other

Discharge G.P.M.	Draw Down	Hours Pumped
3		

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
10	0	6	Soil + Dg - Granite		
10	6	23	Dg - Granite + Gravel		
10-8	23	467	Dg Granite + Granite	✓	

10. Work started 3/11/77 finished 3/21/77

11. DRILLERS CERTIFICATION
Firm Name Hollaston Drilling Firm No. 35
Address Mt Home Idaho Date 3/28/77
Signed by (Firm Official) Ken
and
(Operator) Ken Kool

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

7883419

Form 238-7
3/95-C96

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

9

1. DRILLING PERMIT NO. - - - -
Other IDWR No. D0025803

2. OWNER:
Name Dale Meeks
Address 977 N. Ethridge Pl
City Boise State ID Zip 83704

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N
W [X] E
S

Twp. 1 North ☐ or South X
Rge. 4 East X or West ☐
Sec. 2 1/4 NE 1/4 NE 1/4
10 acres 40 acres 160 acres

Gov't lot ____ County Elmore
Lat: : : Long: : :
Address of Well Site Prairie Grass Rd. off baseline rd.
City Mtn Home
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
X Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
X New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD
X Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	19	500 lbs	Overbore

Was drive shoe used? X Y ☐ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y X N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6.625	+2	428	.250	Steel	X	☐	X	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe N/A Length of Tailpipe ____

9. PERFORATIONS/SCREENS
☐ Perforations Method ____
X Screens Screen Type Johnson

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
429	434	.025		5"	SS	☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
331 ft. below ground
Depth flow encountered ____ ft.
Artesian Pressure ____ lb
Describe access port or control devices: ____

11. WELL TESTS:
☐ Pump ☐ Bailer X Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
30			1

Water Temp. 60 Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encountered 409'

12. LITHOLOGIC LOG: (Describe repair or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temp.	Water Y	Water N
10	0	2	Top Soil		X
10	2	5	Cleache		X
10	5	15	Sand & Gravel		X
10	15	18	Tan Clay		X
6	18	22	Tan Clay		X
6	22	78	Tan Coarse Sand		X
6	78	83	Tan Clay		X
6	83	213	Coarse Sand		X
6	213	225	Brown Sandstone		X
6	225	290	Coarse Sand		X
6	290	409	Tan Sandy Clay		X
6	409	414	Coarse Sand	X	
6	414	421	Tan Sand w/ Clay Seams		X
6	421	434	Tan Sand	X	
6	434	435	Tan Clay		X

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NOV 13 2002
WATER RESOURCES
WESTERN REGION

Completed Depth: 434' (Measurable)
Date: Started 10-28-02 Completed 11-01-02

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

Firm Name Hiddleston & Son, Inc. Firm No. 35
Firm Official [signature] Date 11-11-02
Supervisor or Operator Matt Hiddleston Date 11-11-02
(Sign once if Firm Official & Operator)

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JAN 0 2 2003

10760 1

10

Form 238-7
3/95-C96

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. - - - -
Other IDWR No. D0025928

2. OWNER:
Name Rich Cornell
Address HC 87 Box 700
City Mtn Home State ID Zip 83647

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N
W [X] E
S

Twp. 1 North ☐ or South X
Rge. 4 East X or West ☐
Sec. 2 1/4 NW 1/4 NE 1/4
(10 acres) (40 acres) (160 acres)

Gov't lot ____ County Elmore
Lat: : : Long: : :
Address of Well Site ½ mile off baseline rd.
City Mtn Home
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
X Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
X New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD
X Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	19	600 lbs	Overbore

Was drive shoe used? X Y ☐ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y X N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6.625	+2	383	.250	Steel	X	☐	X	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 5' Length of Tailpipe N/A

9. PERFORATIONS/SCREENS
☐ Perforations Method ____
X Screens Screen Type Johnson

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
385	390	.030		5"	SS	☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
300 ft. below ground Artesian Pressure ____ lb
Depth flow encountered ____ ft. Describe access port or control devices: ____

11. WELL TESTS:
☐ Pump ☐ Bailer X Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
20			

Water Temp. 62 Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encountered 185

12. LITHOLOGIC LOG: (Describe repair or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temp.	Water Y	Water N
10	0	2	Top Soil		X
10	2	10	Silty Sand		X
10	10	12	Big Sand & Gravel		X
10	12	19	Coarse Sand & Gravel		X
6	19	21	Tan Clay		X
6	21	88	Coarse Sand & Gravel		X
6	88	92	Brown Clay		X
6	92	165	Sand		X
6	165	185	Sandstone		X
6	185	250	Sand	X	
6	250	255	Tan Clay		X
6	255	380	Sand		X
6	380	382	Tan Clay		X
6	382	390	Coarse Sand	X	

Completed Depth: 390' (Measurable)
Date: Started 11-22-02 Completed 11-28-02

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

Firm Name Hiddleston & Son, Inc. Firm No. 35
Firm Official [signature] Date 12-20-02
Supervisor or Operator Matt Hiddleston Date ____
(Sign once if Firm Official & Operator)

USE TYPEWRITER OR BALL POINT PEN

Department of Water Administration

RECEIVED

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Administration within 20 days after the completion or abandonment of the well.

AUG 20 1974

Department of Water Resources

11

1. WELL OWNER

Name Ken Johnson

Address 4671 N. madison place MERIDIAN Id.

Owner's Permit No.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☐ Cable ☒ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 375 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	6 inches	+ 1 feet	21 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 inches by inches

Number	From	To
perforations	feet	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

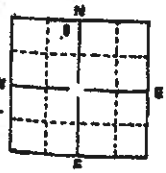
Placed from feet to feet

Surface seal depth 21 Material used in seal ☐ Cement grout ☒ Puddling 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

Lot No. Block No.

County Elmore

NE ¼ NW ¼ Sec. 3 T. 1 N/S, R. 5 E/W

7. WATER LEVEL

Static water level 268 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

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
25	0	2 hr

9. LITHOLOGIC LOG 028864

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	18	Soil + Sand		
8-6	18	47	Gray Lava		
6	47	55	Black Lava		
6	55	82	Gray Lava		
6	82	96	Sand Gravel Cinders + clay		
6	96	114	Red Lava		
6	114	120	Brown Lava		
6	120	156	Gray Lava		
6	156	182	Gray Lava Cinders clay		
6	182	205	Brown clay		
6	205	260	Gray Lava clay + Cinders		
6	260	370	Clay	X	
6	370	375	Solid Lava	X	

10. Work started 7-26-74 finished 7-27-74

11. DRILLERS CERTIFICATION USGS

Firm Name Hiddleston Drilling Firm No. 55

Address Mt Home Date 7-27-74

Signed by (Firm Official) O L Hiddleston

and

(Operator)

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT

149883

12

Form 238-7
3/95-C96

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
_____ 1/4 _____ 1/4 _____ 1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. - - - - -
Other IDWR No. D0029374

2. OWNER:
Name Jack Buchanan
Address 731 S. Prairie Grass Rd.
City Boise State ID Zip 83716

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N
W — X — E
S

Twp. 15 North ☐ or South X
Rge. 4 East X or West ☐
Sec. 2 1/4 (10 acres) SE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't lot ____ County Ada

Lat: : : Long: : :
Address of Well Site 731 S. Prairie Grass Rd.
City Boise
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
X Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
X New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
X Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	18	700 lbs	Overbore

Was drive shoe used? X Y ☐ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y X N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6.625	+2	469	.250	Steel	X	☐	X	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 20' Length of Tailpipe N/A

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
X Screens Screen Type Johnson

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
471	476	.020		5"	SS	☐	☐
451	471	N/A		5"	Steel		X
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
331 ft. below ground Artesian Pressure ____ lb
Depth flow encountered ____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer X Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Pumping Level	Time
50			1 hr

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered _____

12. LITHOLOGIC LOG: (Describe repair or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temp.	Water Y	Water N
10"	0	2	Top Soil		X
10"	2	7	Cleache		X
10"	7	16	Tan Sand W/ Gravel		X
10"	16	18	Tan Clay		X
6"	18	22	Tan Clay		X
6"	22	80	Tan Coarse Sand		X
6"	80	83	Tan Clay		X
6"	83	217	Coarse Sand		X
6"	217	227	Brown SandStone		X
6"	227	460	Tan Sand w/ Clay Seams		X
6"	460	476	Coarse Tan Sand & Gravel	X	

RECEIVED
JUN 0 2 2003
WATER RESOURCES WESTERN REGION

Completed Depth: 476' (Measurable)
Date: Started 4-28-03 Completed 5-5-03

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

Firm Name Hiddleston & Son, Inc. Firm No. 35
Firm Official _____ Date 5-27-03
Supervisor or Operator Matt Hiddleston Date _____
(Sign once if Firm Official & Operator)

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration

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 1-15-73 D NA

13

1. WELL OWNER

Name Western Land & Cattle Co.
Address Mayfield, Idaho
Owner's Permit No.

2. NATURE OF WORK

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

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☒ Test
☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 8 inches Total depth 82 feet
Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.322 inches	8 inches	+	51 feet
.157 inches	5 inches	51 feet	53 feet
.257 inches	5 inches	68 feet	82 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 inches by inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

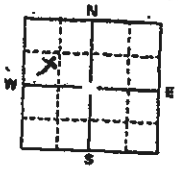
Well screen installed? ☒ Yes ☐ No
Manufacturer's name Johnson
Type Stainless Model No.
Diameter 6 Slot size 30 Set from 57 feet to 58 feet
Diameter 6 Slot size 35 Set from 58 feet to 68 feet

Gravel packed? ☐ Yes ☒ No. Size of gravel
Placed from feet to feet

Surface seal? ☒ Yes ☐ No To what depth 20 feet
Material used in seal ☐ Cement grout ☐ Puddling clay
Bentonite

6. LOCATION OF WELL

Sketch map location must agree with written location.



County Elmore
SW¼ NW¼ Sec. 17 T. 1 N/S, R. 5 E/W

7. WATER LEVEL

Static water level 12 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

8. WELL TEST DATA

☒ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
25	15 ft.	4

9. LITHOLOGIC LOG

108033

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	25	topsoil		X
	25	40	pea gravel	X	
	40	65	red sand	X	
	65	69	hard gravel	X	
	69	82	bentonite clay		X

10.

Work started Nov. 9-72 finished Dec. 1-72

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

Engleman Well Drill. 47
Driller or Firm's Name Number
1309 Rand - Boise, Idaho
Address
Signed By Ref Engleman 12-1-72
Date

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

195-C96

Spotted by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

14

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. DRILLING PERMIT NO. 61-99-W-0059-000
Other IDWR No. D0012097

2. OWNER:
Name Ronald & Pamela Miller
Address HC 34 Mayfield Stage
City Boise State ID Zip 83716

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

orm 238/7

N / W / E / S — X

Twp. 1 North X or South ☐
Rge. 4 East X or West ☐
Sec. 34 1/4 (10 acres) SW 1/4 (40 acres) SE 1/4 (160 acres)
Gov't lot _____ County Elmore
Lat: : : Long: : :
Address of Well Site Mayfield Road
City Mayfield
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
X Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
X New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☐ Air Rotary ☐ Cable X Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	18	900 lbs	Overbore

Was drive shoe used? ☐ Y X N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y X N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Materia	Casing	Liner	Welded	Threaded
5.438	+2	596	288	Steel	X	☐	X	☐
5.563	606	616	288	Steel	X	☐	X	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Materia	Casing	Liner
596	606	020		5.563	SS	X	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
450 ft. below ground Artesian Pressure ____ lb
Depth flow encountered ____ Describe access port or control devices: _____

11. WELL TESTS: 59137
☐ Pump ☐ Bailer X Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temp.	Water Y	Water N
12	0	3	Top Soil		X
12	3	15	Hard Pan		X
12	15	18	Sand & Clay Seams		X
8	18	22	Tan Clay		X
8	22	257	Tan Sand & Clay Seams		X
8	257	260	Tan Clay		X
8	260	320	Brown Silt & Sand		X
8	320	400	Tan Clay & Some Sand		X
8	457	469	White Clay & Large Stone		X
8	469	471	Sand – 015		X
8	471	500	Tan Clay & Some Sand		X
8	500	520	White Clay & Some Sand		X
8	520	594	Tan Clay & Some Sand		X
8	594	610	White Clay & Some Sand		X
8	610	615	Medium Sand & White Clay		X
8	615	620	White Clay & Some Stone		X

MICROFILMED NOV 30 1999

RECEIVED
OCT 13 1999
WATER RESOURCES
WESTERN REGION

Completed Depth: 616 (Measurable)
Date: Started 9-18-99 Completed 9-23-99

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

Firm Name Hiddleston & Son, Inc. Firm No. 35
Firm Official _____ Date 10/11/99
Supervisor or Operator _____ Date _____
(Sign once if Firm Official & Operator)

Form 238-7
1/94

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ball Point Pen

56757

1. DRILLING PERMIT NO. 61 - 94 - W - 0027 - 000
Other IDWR No.

2. OWNER:
Name LEONARD EISEMAN
Address 802 East Pennsylvania Ave.
City Boise State ID Zip 83706

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 1 North ☐ or South ☒
Rge. 4 East ☒ or West ☐
Sec. 15, 10 acres 1/4 40 acres NE 1/4 160 acres NE 1/4
Gov't Lot ____ County Elmore

Address of Well Site Simco Rd. City Mountain Home
(Give at least name of road + Distance to Road or Landmark)

Lt. ____ Blk. ____ Sub. Name ____

4. PROPOSED USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK
☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT (Sacks or Pounds)	METHOD
Bentonite	0	250'	20	overbore

Was drive shoe used? Y☒ N☐
Was drive shoe seal tested? Y☒ N☐ How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
8.625	0	250'	.250	steel	☒	☐	☐	☐
6.625	2'	425'	.250	steel	☒	☐	☐	☐
5.57	436'	448'	.188	steel	☐	☒	☐	☐

Length of Headpipe 7' Length of Tailpipe 5'

9. PERFORATIONS/SCREENS
☐ Perforations Method
☒ Screens Screen Type V-wire

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
453'	448'	.040		5.57	S.S.	☐	☒
436'	431'	.030		5.57	S.S.	☐	☒
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
335 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices:

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
35			5hr.

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	2'	Topsoil		
"	2'	11'	Brown Clay		
"	11'	18'	Sand & Gravel		
"	18'	21'	Brown Clay		
"	21'	43'	Sand & Gravel		
"	43'	65'	Clay w/Sand		
"	65'	80'	Coarse Sand		
"	80'	84'	Sandy clay		
"	84'	108'	Sand w/gravel		
"	108'	140'	Sandy clay		
"	140'	150'	Coarse sand		
"	150'	155'	Sand w/gravel		
"	155'	161'	Sandy clay		
"	161'	190'	Coarse sand w/clay		
"	190'	203'	Cemented sand & gravel		
"	203'	228'	Clay w/sand & gravel		
"	228'	240'	Coarse Sand		
"	240'	330'	Sandstone		
"	330'	340'	Coarse sand		
"	340'	356'	Brown clay		
"	356'	365'	Coarse sand		
"	365'	375'	Brown clay		
"	375'	386'	Coarse sand		
"	386'	409'	Clay w/sand seams		
"	409'	415'	Brown clay		
"	415'	428'	Coarse sand	X	
"	428'	430'	Brown clay		
6"	430'	439'	Coarse sand	X	
"	439'	441'	Brown clay		
"	441'	458'	Sand & Gravel	X	
"	458'	467'	Brown clay		

RECEIVED JUN 20 1994 WATER RESOURCES WESTERN REGION
RECEIVED OCT 17 1994 Department of Water Resources
RECEIVED MAY 08 1995

Completed Depth 458' (Measurable)
Date: Started June 11, 1994 Completed June 26,'94

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

Firm Name Hiddleston & Son, Inc. Firm No. 35
Firm Official Date 7/19/94
and
Supervisor or Operator Date
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
3/95

C

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT 083341

Use Typewriter or Ballpoint Pen

Office Use Only
Inspected by _____
Twp____ Rge____ Sec____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

T 16

1. DRILLING PERMIT NO. 61 - 96 - W - 10 - 100
Other IDWR No. 61-07683
Previous permit # 61-93-C-0031-000

2. OWNER:
Name RONALD B & ROSANNA K. CASILE
Address HC 34 BOX 34-106
City HOMER State ID Zip 83706

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 1 S North ☐ or South ☐
Rge. 4 E East ☐ or West ☐
Sec. 3, ____ 10 acres ____ 1/4 SE 40 acres ____ 1/4 NE 160 acres 1/4
Gov't Lot ____ County ELMORE
Lat: . : : . Long: : . :
Address of Well Site HC 34 MAYFIELD STAGE
BOX 100 (Give at least name of road + Distance to Road or Landmark) City MAYFIELD
Lt. ____ Blk. ____ Sub. Name ____

4. USE: NON-DOMESTIC MULTIPLY HOME DOMESTIC
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply DEEPEN (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☒ Other DEEPEN

6. DRILL METHOD AIR ROTARY
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
REFER TO FIRST WELL LOG				

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☐ N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
REFER TO FIRST WELL LOG				0 TO 335	☐	☐	☐	☐
6"	+2	330	250	STEEL	☒	☐	☒	☐
4.5"	496	678	40	PVC	☐	☒	☐	☒

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
☒ Perforations Method SKill SAW
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
578	678	1/8"	3 per ft	4.5"	PVC	☐	☒
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
435 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: WELL CAP

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
40 GPM	N/A	616 FT	2 HRS

Water Temp. COLD Bottom hole temp. COLD
Water Quality test or comments: GOOD, CLEAR, NO SMELL
Depth first Water Encountered 629

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
		0	TO 335 REFER TO FIRST WELL LOG		X
6"	335	530	CAVING LAVA ROCK		X
	530	545	LAVA & GRANITE		X
	545	570	BROWN CINDERS		X
	570	584	LAVA		X
	584	588	BROWN CINDERS		X
	588	597	LAVA ROCK		X
	597	609	GREEN GRANITE		X
	609	618	WHITE & GREEN GRANITE W/ LAVA		X
	618	619	GRAY GRANITE		X
	619	629	WHITE GRANITE W/ LAVA	X	
	629	638	BROWN CINDERS	X	
	638	670	BRN CINDERS FINE & CRS SND	X	
	670	678	LAVA ROCK & SAND		

RECEIVED
MAY 30 1996
Department of Water Resources
RECEIVED
MAY 22 1996
WATER RESOURCES
WESTERN REGION
AUG 21 1996

Completed Depth 678 FEET (Measurable)
Date: Started 4/10/96 Completed 4-25-96

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

Firm Name PETE COPE DRILLING CO., INC. Firm No. 213
Firm Official [signature] Date 5/16/96
and
Supervisor or Operator ____ Date ____
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

17

WELL DRILLER REPORT CORRECTION

94797

THE WELL DRILLER'S REPORT SUBMITTED FOR THE WELL OWNED BY: Jim Hisel

HAS BEEN SUGGESTED BY THE FOLLOWING AGENCY OR PERSON SOS Well Drilling

TO BE LOCATED IN A DIFFERENT LOCATION THAN WAS REPORTED ON THE ORIGINAL WELL LOG. A MICROFICHE RECORD OF THE WELL LOG IS FILED IN:

TS 01S R 04E SEC 29 ¼ ____ ¼ NW ¼ SW. THE LOCATION CHANGED TO:

TS 01S R 04E SEC 10 ¼ ____ ¼ SE ¼ SE.

THE CORRECT LOCATION WAS VERIFIED BY: STATE Office & SOS well Drilling.

THIS DOCUMENT HAS BEEN PREPARED ON THIS DATE 3-31-99 AND SENT TO BE MICROFILMED.

MICROFILMED

JUN 08 1999

CORRECTED 94796

Form 238-7
3/95-C96

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

17

1. DRILLING PERMIT NO. 61-98-W-0059-000
Other IDWR No. D0007514

2. OWNER:
Name Jim Hisel
Address Mayfield Stage, HC-34
City Boise State ID Zip 83706

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N / W / E / S

Twp. 1 North ☐ or South ☒
Rge. 4 East ☒ or West ☐
Sec. 10 1/4 SE 1/4 SE 1/4
Gov't lot _____ County Elmore
Lat: : : Long: : :
Address of Well Site Mayfield Stage, HC-34
City Boise
(Give street name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	2'	40+'	16	Overbore

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1'	541	.250	Steel	☒	☐	☒	☐
4.5"	532'	542'	Sch40	PVC	☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☒ Perforations Method saw
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
539'	542'		80	4.5"	PVC	☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
350ft. below ground Artesian Pressure ____ lb
Depth flow encountered ____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Pumping Level	Time
10		400'	1hr
40		520'	1hr
50		540'	1hr

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered 358'

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temp.	Water Y	Water N
10"	0'	1'	brown top soil		☒
10"	1'	2'	lt brown hardpan		☒
10"	2'	8'	coarse brown sand		☒
10"	8'	18'	brown sandy clay		☒
10"	18'	20'	coarse brown sand		☒
8"	20'	205'	brown clay/coarse sand strips		☒
8"	205'	225'	brown brown & black granite		☒
8"	225'	307'	brown & white granite		☒
8"	307'	328'	cemented quartz sand		☒
8"	328'	358'	white & clear granite		☒
8"	358'	396'	brown clay w/sand strips	☒	
6"	396'	410'	coarse white & brown sand		☒
6"	410'	422'	brown clay		☒
6"	422'	432'	coarse white sand	☒	
6"	432'	453'	lt brown clay w/small cracks		☒
6"	453'	464'	hard brown clay		☒
6"	464'	467'	coarse brown sand	☒	
6"	467'	484'	lt brown sand w/sm. cracks		☒
6"	484'	501'	dirty brown sand w/clay strips		☒
6"	501'	532'	brown clay w/small cracks		☒
6"	532'	538'	grey clay w/grey sand		☒
6"	538'	542'	grey clay		☒
6"	542'	545'	blue/grey & white sand	☒	

RECEIVED
MAR 26 1999
WATER RESOURCES
WESTERN REGION

RECEIVED
MAR 30 1999
Department of Water Resources

Completed Depth: 542 (Measurable)
Date: Started 09-16-98 Completed 09-23-98

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

Firm Name SOS Welldrilling & Pump Co. Firm No. 212
Firm Official _____ Date 3-24-99
Supervisor or Operator _____ Date 3/24/99
(Sign once if Firm Official & Operator)

Date: 03/24/99 Time: 12:30 PM

MICROFILMED
JUN 08 1999

Form 238-7
6/88

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

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.

18

1. WELL OWNER

Name Jerry Morton

Address Box 48 Mayfield Stage Boise

Owner's Permit No. 61-89-5-026 83707

2. NATURE OF WORK

☑ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

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

4. METHOD DRILLED

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

5. WELL CONSTRUCTION

Casing schedule: ☑ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 5/8 inches	+ 2 feet	584 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☑ Yes ☐ No
Was a packer or seal used? ☐ Yes ☑ No
Perforated? ☐ Yes ☑ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number		From	To
_____	perforations	_____ feet	_____ 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 450 Material used in seal: ☐ Cement grout
☑ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☑ Overbore to seal depth
Method of joining casing: ☑ Threaded ☐ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.

N / W / E / S

Subdivision Name _____
Lot No. _____ Block No. _____

County Elmore
SW ¼ NW ¼ Sec. 34 T. 1 N☑ S☐ R. 4 E☑ W☐

7. WATER LEVEL

Static water level 460 feet below land surface.
Flowing? ☐ Yes ☑ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☑ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
25		2

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	0	10	Sand		✓
8"	10	28	Clay w/some sand		✓
8"-6"	28	240	Clay w/sand		✓
6"	240	510	Cemented sand & gravel/clay		✓
6"	510	583	fine sand (gray) w/very little gravel	X	
6"	583	586	sand & gravel	X	

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DEC 03 1989
Department of Water Resources
Western Regional Office

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JUN 08 1990

10.

Work started 10-24-89 finished 11-11-89

11. DRILLERS CERTIFICATION

OL

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

Firm Name Hiddleston & Son, Inc. Firm No. 35
Address Mt. Home, Id Date 11-12-89
Signed by (Firm Official) Mark S Hiddleston
and
(Operator) Mark S Hiddleston

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

Form 238-7
4/92

POOR QUALITY

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Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

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

1. WELL OWNER
Name RONALD & ROSEANNA CASTLE
Address HC 85, BX 237 GRANDVIEW, ID 83624
Drilling Permit No. GS-93-C-0031-000
Water Right Permit No. 61-07683 (upon approval)

2. NATURE OF WORK NEW WELL
☐ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE NON-DOMESTIC
☐ Domestic ☐ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED AIR&MUD ROTARY
☐ Rotary ☐ Air ☐ Auger ☐ Reverse rotary
☐ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION
Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.25 inches	8 inches	+ 1 feet	490 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation? _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

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 270 Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit
☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded
☐ Solvent Weld ☐ Cemented between strata

Describe access port WELL CAP

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

Subdivision Name _____
Lot No. _____ Block No. _____
County ELMORE
Address of Well Site HC 34 MAYFIELD STAGE BOX 100 (give at least name of road)
SE ¼ NE ¼ Sec. 3, T. 01S N ☐ or S ☐, R. 01E E ☐ or W ☐

7. WATER LEVEL
Static water level 338 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 65 °F. Quality Good
Describe artesian or temperature zones below.

8. WELL TEST DATA AIR
☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
30	335	4

081538

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
10"	0	5	CLEACHEY		X
	5	50	CLAY & DECOMPOSED GRANIT AND SAND mix		X
	50	80	SAND		X
	80	90	CLAY AND SAND MIXED		X
	90	170	BOULDERS & SAND		X
	170	225	CLAY, & SAND MIXED		X
	225	240	HARD GRANIT		X
	240	270	DECOMPOSED GRANIT		X
	270	275	BROWN CLAY		X
	275	330	DECOMPOSED GRANIT		X
	330	165	SAND		X
	165	497	CLAY		X
	497	510	LAVA ROCK	X	
			SWITCHED TO AIR ROTARY		
8"	510	595	BROCKEN LAVA ROCK, & SOME ROUND LAVA	X	

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Department of Water Resources
Western Regional Office

FEB 0 2 1994

10. Work started 7/8/93 finished 7/28/93

11. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Firm Name PETE COPF DRILLING No. 213
Address 6305 W. CHINDEN Date 7/29/93
Signed by Drilling Supervisor _____
and
(Operator) _____ (If different than the Drilling Supervisor)

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

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Form 238-7
3/95-C96

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. — - — - — - — - —
Other IDWR No. D0015631

2. OWNER:
Name Glen & Janet Jorgensen
Address 1386 N. Little Creek
City Meridian State ID Zip 83642

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N / W / E / S — X

Twp. 1 North ☐ or South X
Rge. 4 East X or West ☐
Sec. 2 1/4 (10 acres) SW 1/4 (40 acres) SW 1/4 (160 acres)
Gov't lot ____ County Elmore
Lat: : : Long: : :
Address of Well Site Base Line Rd.
City Mtn Home
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
X Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
X New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD
X Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	18	800 lbs	Overbore

Was drive shoe used? X Y ☐ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y X N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6.625	+2	608	250	Steel	X	☐	X	☐
5.563	602	608	.188	Steel	☐	X	X	☐
5.563	618	633	188	Steel	☐	X	X	☐

Length of Headpipe 6' Length of Tailpipe 15'

9. PERFORATIONS/SCREENS
☐ Perforations Method ____
X Screens Screen Type Johnson

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
608	618	.010		5.563	SS	☐	X
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
388 ft. below ground Artesian Pressure ____ lb
Depth flow encountered ft. Describe access port or control

11. WELL TESTS:
☐ Pump ☐ Bailer X Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
20			

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encountered 500

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temp.	Y	N
10	0	2	Top Soil		X
10	2	18	Sandy Clay		X
6	18	120	Tan Sand & Clay Seams		X
6	120	175	Brown Sand & Clay		X
6	175	200	Sand Stone		X
6	200	290	Tan Clay & Sand Seam		X
6	290	400	Tan Sand & Clay Seams		X
6	400	465	Tan Clay & Sand Seams		X
6	465	500	Tan Sand & Clay Seam		X
6	500	510	Coarse Sand – Rusty	X	
6	510	540	Tan Clay & Sand Seam		X
6	540	551	Brown Clay		X
6	551	620	Gray Sand	X	
6	620	633	Gray Sand & Hard Clay Seam		X

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Department of Water Resources

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WATER RESOURCES
WESTERN REGION

Completed Depth: 633 (Measurable)
Date: Started 11-09-00 Completed 11-17-00

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

Firm Name Hiddleston & Son, Inc. Firm No. 35
Firm Official [signature] Date 12/6/00
Supervisor or Operator John Smith Date 12-7-00
(Sign once if Firm Official & Operator)

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Form 238-7
3/95-C96

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Inspected by: _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

21

1. DRILLING PERMIT NO. - - - -
Other IDWR No. D0019345 CPS#1655
2. OWNER:
Name Williams Pipeline West
Address 5821 Industrial Way
City American Falls State ID Zip 83202
3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N
W X E
S

Twp. 1 North or South X
Rge 4 East X or West ☐
Sec. 23 1/4 SW/4 NW 1/4
(10 acres) (40 acres) (160 acres)

Gov't lot ____ County Elmore
Lat: : : Long: : :
Address of Well Site 3 miles South on Simco Rd.
City Mtn Home
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection X Other Cathodic
5. TYPE OF WORK check all that apply (Replacement etc.)
X New Well ☐ Modify ☐ Abandonment ☐ Other ____
6. DRILL METHOD
X Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____
7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	18	1200 lbs	Overbore

Was drive shoe used? X Y ☐ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y X N How? ____
8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
8.625	+2	55	250	PVC	X	☐	X	☐
8.625	-50	500	362	Steel	X	☐	X	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
9. PERFORATIONS/SCREENS
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
Dry ft. below ground Artesian Pressure ____ lb
Depth flow encountered ____ ft. Describe access port or control

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
N/A			

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encountered ____
12. LITHOLOGIC LOG: (Describe repair or abandonment)

Bore Dia.	From	To	Remarks:Lithology, Water Quality & Temp.	Water Y	Water N
12	0	2	Top Soil		X
12-10	2	152	Sand & Gravel		X
10	152	175	Gray Lava		X
10	175	195	Sand & Red Cinder		X
10	195	228	Gray Lava		X
10	228	300	Tan Sand		X
10	300	321	Tan Clay		X
10	321	340	Tan Sand		X
10	340	345	Tan Clay		X
10	345	400	Tan Sand & Gravel		X
10	400	422	Tan Clay		X
10	422	492	Tan Sand		X
10	492	500	Tan Sand		X

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WATER RESOURCES
WESTERN REGION

Completed Depth: 500' (Measurable)
Date: Started 10-26-01 Completed 10-30-01

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

Firm Name Hiddleston & Son, Inc. Firm No. 35
Firm Official [signature] Date 11-19-01
Supervisor or Operator [signature] Date 11/16/01
(Sign once if Firm Official & Operator)

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Form 238-7
3/95-C96

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. __-__-__-____-____
Other IDWR No. D0030779

2. OWNER:
Name Big View Builders
Address 5006 Man O War
City Nampa State ID Zip 83686

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N
W E
S

Twp. 1 North ☐ or South ☒
Rge. 4 East ☒ or West ☐
Sec. ___ 1/4 (10 acres) SE 1/4 (40 acres) SW 1/4 (160 acres)
Gov't lot _____ County Elmore
Lat: : : Long: : :
Address of Well Site 1020 Desert Wind Rd
City Mountain Home,
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	20	12	overbore

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 278
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	278	250	steel	☒	☐	☒	☐
5"	6[illegible]	491	188	steel	☐	☒	☒	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☒ Screens Screen Type sand blocker

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
492	504	n/a	n/a	4"	stst	☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
365 ft. below ground Artesian Pressure ____ lb
Depth flow encountered 485 ft. Describe access port or control devices: _____

11. WELL TESTS:
☒ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Pumping Level	Time
15	50	415	3 hrs

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered 408

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia	Water From	To	Remarks: Lithology, Water Quality & Temp.	Y	N
10"	0	18	Sandy brown clay		☒
8	18	36	Sandy brown clay		☒
8	36	42	Cemented gravel		☒
8	42	185	Brown clay		☒
8	185	243	Brown clay w/ sand strips		☒
8	243	278	Black cinders		☒
8	278	408	Black lava		☒
8	408	485	Brown clay w/ sand strips	☒	
8	485	504	Coarse white sand & some gravel	☒	

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MAR 08 2004
WATER RESOURCES
WESTERN REGION

Completed Depth: 504 (Measurable)
Date: Started 01/12/04 Completed 02/15/04

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

Firm Name Skinner&Son Well Drilling Firm No. 635
Firm Official _____ Date 3-2-04
Supervisor or Operator _____ Date 3-2-04
(Sign once if Firm Official & Operator)

Date: 3/2/04 Time: 3:50 PM