

State of Idaho
Department of Water Resources

RECEIVED

APPLICATION FOR
REPAIR () OR ABANDONMENT (X) OF A WELL

NOV 02 1995

WATER RESOURCES
WESTERN REGION

1. LEGAL CONTACT (Owner or Operator)

Date: _____
Name: Benjamin F. and/or Mary Jane Dobson Phone Number (208) 793-2239
Mailing Address: P.O. Box 125
City: Horseshoe Bend State ID Zip Code 83629

2. WELL LOCATION

Township 6 North, Range 2 East, Section 25, NW 1/4 NW 1/4 NW 1/4
Gov't Lot No. - County Boise
Street Address of Well Site: None City -
Lot -, Block -, Subdivision Name -

3. TYPE OF WELL

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

NON-DOMESTIC: [] Irrigation [] Municipal [] Industrial
[] Stock [X] Test [] Other _____
(Over 1,000 head) (Describe)

() INJECTION
() MONITORING

4. WELL SPECIFICATIONS

Previous Drilling Permit Number 65 - 95 - W - 0072 - 000
Water Right Number 65 - 13582
Well Log on File? (X) Yes () No
Casing Size: 8-5/8 Material: 250 Gauge Steel, Welded Temperature: 56°F
Casing Height Above Ground: 2.49 feet
Flowing Artesian? () Yes (X) No
Static Water Level: 4.91 (G.L.) (Measured) Well Depth: 850 feet (Measured)
Remarks: Well was drilled to 850 feet, caving to 585 feet

5. **CONDITION OF WELL, REPAIRS REQUIRED**

N/A

6. **PROPOSED METHODS OF REPAIR OR ABANDONMENT**

(This Application must be approved prior to commencement of operations)

Place air packer at approximately 100 feet below ground level and inflate it.
Backfill with bentonite chips to within 5 to 6 feet of ground level, from bottom
to top. Casing (8-5/8" mild steel) will be cut off 5 feet below ground level,
fitted with a welded cap. A 5-foot seal of neat cement will be placed at the cap
and left 3 feet below ground level.

Place 5'-10' Cement Plug on top of packer - May be poured if hole blown or bail dry above packer

7. **NAME OF DRILLER OR INDIVIDUAL PERFORMING THE REPAIR OR ABANDONMENT**

Hiddleston Drilling and Pump Company, Inc. #35

8. **DATE OF PROPOSED REPAIR OR ABANDONMENT** Estimated to take place between November 13 and 17, 1995.

9. **APPLICANT'S SIGNATURE**

Kevin L. Shaver

DATE: 10/31/95

Title

Staff Geologist ; Kleinfelder, Inc.
(Owner, Firm Representative, Other)

ACTION OF THE DEPARTMENT OF WATER RESOURCES

This application for repair/abandonment is APPROVED Date 11-6-95

This approval does not constitute an endorsement of the proper abandonment of this well, without an attached document prepared by an Idaho Licensed Water Well Driller, Professional Geologist or Engineer who witnessed the procedure. This approval is subject to the following conditions of approval. READ CAREFULLY!

CONDITIONS OF APPROVAL:

1. Pursuant to Section 42-238(4), Idaho Code. All repairs and/or abandonment must meet the requirements of the Department's Rules and Regulations for Well Construction Standards.
2. Abandonment or repair of this well may require the services of a well driller licensed in the State of Idaho.

[Signature]
Signature of Authorized Department Representative

Sr. WR Agent
Title

65-95-W-0072-300



RECEIVED

November 2, 1995
File: 30-6000-05

NOV 02 1995

WATER RESOURCES
WESTERN REGION

Mr. Robert B. Whitney
Senior Water Resource Agent
Idaho Department of Water Resources
2735 Airport Way
Boise, Idaho 83705

**SUBJECT: Application for Proposed Well Abandonment
Dobson Ranch
Horseshoe Bend, Idaho**


Dear Rob,

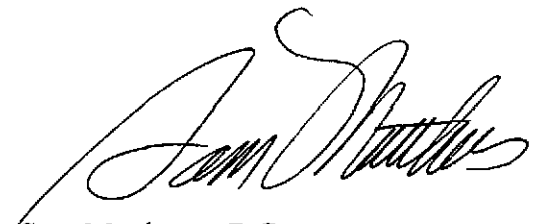
This letter presents our application for the abandonment of one 850-foot well located on the Ben Dobson Ranch near Horseshoe Bend, Idaho. We anticipate completing the abandonment between November 13 and 17, 1995, or as weather conditions permit. We anticipate using Hiddleston Drilling and Pump, Inc. of Mountain Home, Idaho to perform the work. However, if Hiddleston cannot complete the scope of work, an alternate drilling firm will be contacted. The application for Well Abandonment (Form 238(4)-2), Proposed Well Design and the Kleinfelder drill logs are attached for your review and files.

If you have any questions, please do not hesitate to contact the Boise office at (208) 376-9700.

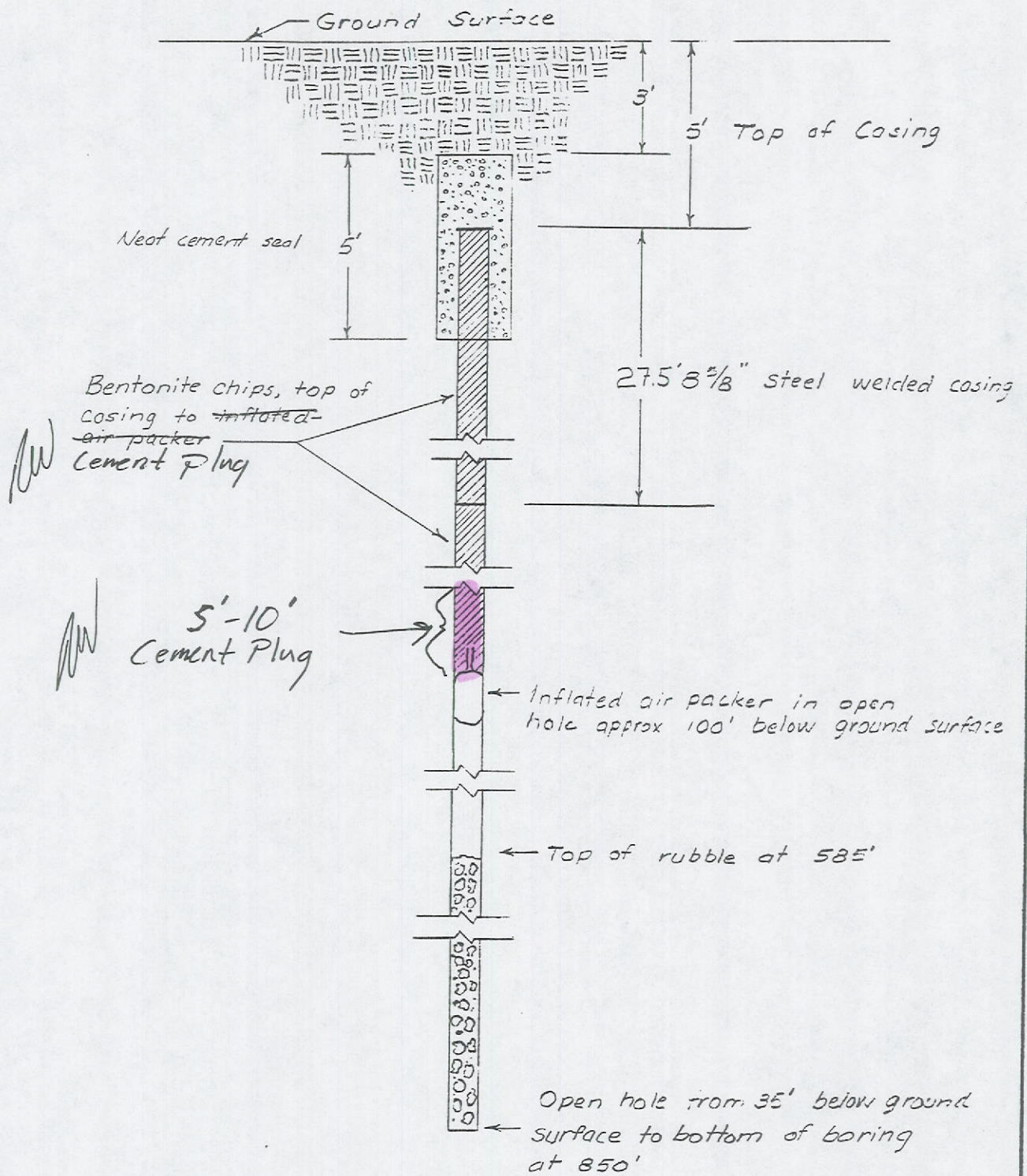
Sincerely,

KLEINFELDER, INC.


Kevin L. Schroeder
Staff Professional


Sam Matthews, P.G.
Area Manager, Idaho

Attachments: Application for Abandonment of a Well (Form 238(4)-2)
Proposed Dobson Well Abandonment Design
Kleinfelder Boring Logs

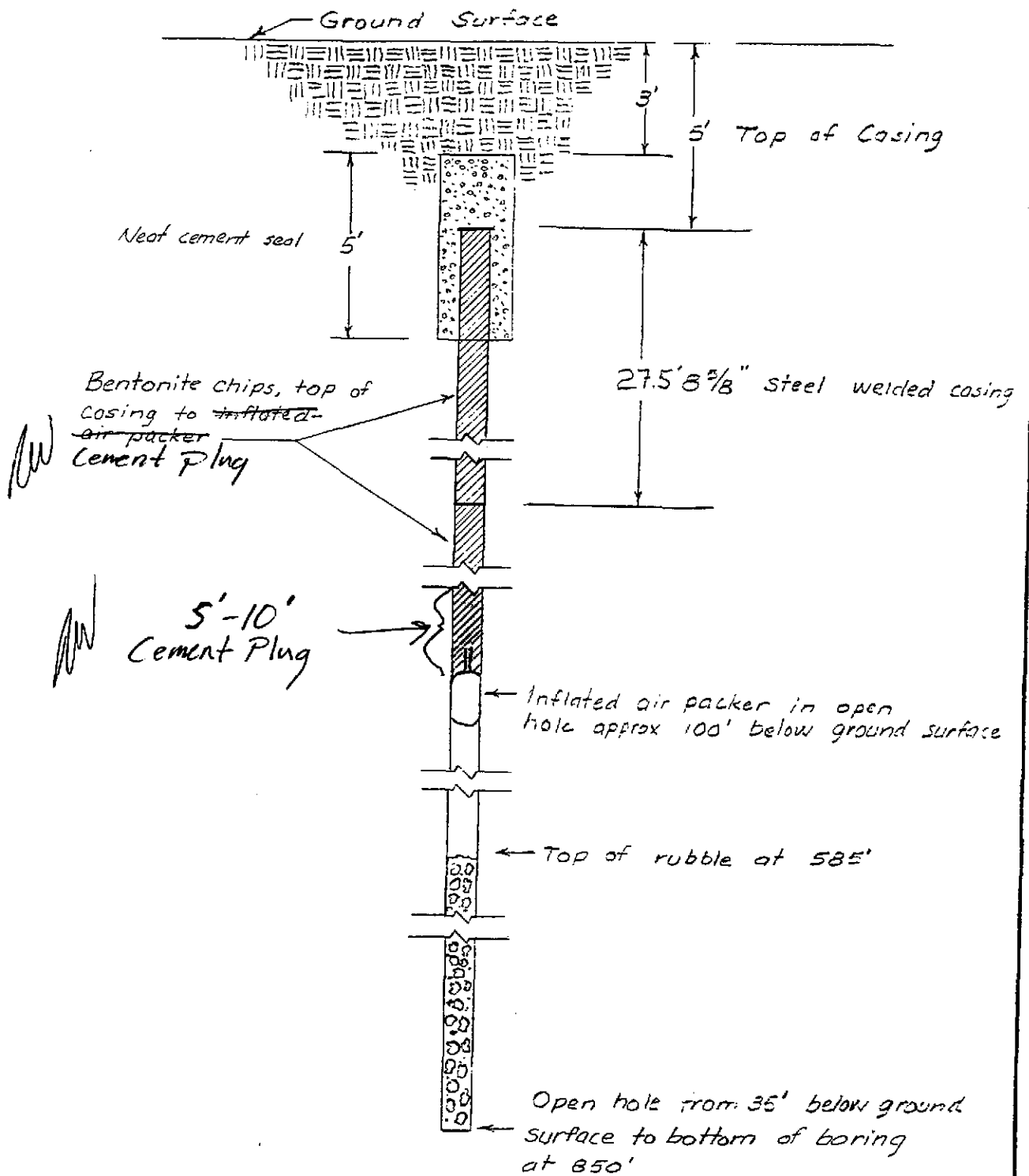


KH KLEINFELDER

PROJECT NO. 30-6000-05

Proposed Dobson Well
Abandonment diagram
Dobson Ranch, Horseshoe Bend, ID

PLATE



KH KLEINFELDER

Proposed Dobson Well
Abandonment diagram

PLATE

PROJECT NO. 30-6000-05

Dobson Ranch, Horseshoe Bend, ID

HOLE NO. 1		PROJECT NO. 30-6000-03		PROJECT Dobson Ranch			SHEET 1 OF 8	
MFG. DESIGNATION OF DRILL				LOCATION Dobson Ranch well site #1				
TYPE OF BIT		HAMMER DATA: WT. _____ LBS. DROP _____ INCHES			ELEV. _____		TOTAL DEPTH OF HOLE 850'	
DATE	STARTED 4/26/95		DRILLING AGENCY Hiddleston Drilling					
	COMPLETED 5/4/95		INSPECTOR RLS		GROUNDWATER DEPTH _____		TIME _____	
	BACKFILLED		CREW Ken, Gail					
SURFACE CONDITIONS Grassy pasture								
DIST. FROM SURF.	LEGEND	SAMPLE TYPE	SAMPLE NO.	RECOVERY	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL	
1						CL	Sandy clay (CL) Dark Brown, moist dense roots/organics, sands are coarse to fine quartz or granitics @ approx 15%	
2						ML		
3							Sandy silt (ML) Brown to light tan stiff, moist, quartz grains are medium to fine.	
4								
5						ML		
6								
7								
8								
9								
10								
11								
12								
13								
14							Silt stone/shale, gray to dark gray moderately to highly weathered, moderately strong	
15							Sandstone Arkose, gray, moderately to highly weathered, moderately strong micaceous (Payette formation?)	
16								
17								
18								
19								
20								
21							Shale, dark gray, moderately to highly weathered, moderately strong some bedding. (Payette form.)	

HOLE NO.		PROJECT NO.				PROJECT		SHEET 2	
1		30-6000-03				Dobson Ranch		OF 8	
DIST. FROM SURF.	LEGEND	SAMPLE TYPE	SAMPLE NO.	RECOVERY	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL		
20							Shale, dark gray, moderately to highly weathered, moderately strong, exhibits some bedding.		
30							Sandstone Arkosic, gray, moderately to highly weathered, moderately strong		
40							Shale dark gray, moderately to highly weathered, moderately strong, exhibits some bedding.		
50									
60									
70									
80									
90									
100							Shale, gray to dark gray, moderately strong, exhibits mica-bedding, slightly harder drilling		
116							Shale, dark gray, moderately strong, exhibits bedding.		
120									
130									
140									
150									

HOLE NO.		PROJECT NO.		PROJECT		SHEET 3 OF 8	
1		30-6000-03		Dobson Ranch			
DIST. FROM SURF.	LEGEND	SAMPLE TYPE	SAMPLE NO.	RECOVERY	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL
160							Shale dark gray, moderately strong exhibits bedding
170							
180							
190							
200							
210							
220							
230							Shales exhibit coarse micaceous particals
240							Interbedded Sandstone - Arkosic, medium to fine feldspar, mica, exhibits fine bedding.
250							Shale dark gray, moderately strong exhibits bedding.
260							Slightly harder drilling
270							Ken indicated harder formation from 270' - 280'
280							Slightly harder drilling
290							

HOLE NO.		PROJECT NO.			PROJECT		SHEET 4 OF 8	
1		30-6000-03			Dobson Ranch			
DIST. FROM SURF.	LEGEND	SAMPLE TYPE	SAMPLE NO.	RECOVERY	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL	
290							Shale dark gray, moderately strong exhibits bedding.	
300							Shale, gray, moderately strong exhibits fine grained mica, and bedding (300" - 305")	
310							Shale, dark gray, moderately strong, bedded	
320								
330								
340							Ken indicates harder formation 340-355"	
350								
360							Slightly harder drilling	
370								
380								
390								
400								
410								
420							Minor interbedded gray shales, with very fine mica.	

HOLE NO.		PROJECT NO.			PROJECT		SHEET 5 OF 8	
1		30600-03			Dobson Ranch			
DIST. FROM SURF	LEGEND	SAMPLE TYPE	SAMPLE NO.	RECOVERY	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL	
430						---=	Shale dark gray, moderately strong, with interbedded gray to light gray shales also moderately strong.	
440							Shale, dark gray, moderately strong strongly bedded	
450							fine micas on bedding surfaces.	
460								
470								
480								
490						-----	Shales dark to light gray interbedded Shales moderately strong, dark shales range from 75-95%.	
500								
510								
520								
530						-----	Shale, dark gray, moderately strong strongly bedded.	
540								
550							Minor interbedded fine grained arkosic sandstone < 10% (530" - 595")	
466								

HOLE NO.		PROJECT NO.		PROJECT		SHEET 6 OF 7	
1		30-6000-03		Dobson Ranch			
DIST. FROM SURF.	LEGEND	SAMPLE TYPE	SAMPLE NO.	RECOVERY	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL
560							Shale dark gray, moderately strong strongly bedded.
570							
580							
590							
600							
610							
620							Shales becoming lighter gray in color
630							
640							
650							
660							Shales ^{part} gray and white, interbedded with gray arkosic sandstone, shales + sandstone are moderately strong, exhibit strong bedding, gray shales - 80-90% white shales - 40-20%, sandstones 20-10%, from approx. 665' to 710'
670							
680							
690							
700							





HOLE NO.		PROJECT NO.			PROJECT		SHEET 7	
1		30-6000-03			Dobson Ranch		OF 8	
DIST. FROM SURF.	LEGEND	SAMPLE TYPE	SAMPLE NO.	RECOVERY	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL	
700							Dark Shales, gray and white, Interbedded with gray arkosic sand stone, Shales are moderately strong, exhibit strong bedding, gray shales 30-40%, white shales 40-20%, sand stone 20-10%, from approx 665'-710'	
710							Shale, dark gray, moderately strong, strongly bedded	
720							Minor interbedded shale with mica	
730								
740								
750							Driller indicates formation becoming harder shale, dark gray, with medium to coarse quartz fragments. Quartz fragments increase to approx 20% at 780' then decreases to 0% at 795'	
760								
770							Driller decreased rate of Drilling 775' to 800'	
780								
790								
800							Shale, dark gray, Moderately strong, strongly bedded w gray shale. Interbedded, moderately strong, dark gray shale 85% gray shale 15%	
810							Minor bouncing of drill steel 815'-820'	
820							Slight increase in gray shale to 20%, Arkosic sand stone gray, moderately strong	
830								

HOLE NO.		PROJECT NO.				PROJECT		SHEET	
1		30-6000-03				Dobson Ranch		8 OF 8	
DIST. FROM SURF.	LEGEND	SAMPLE TYPE	SAMPLE NO.	RECOVERY	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL		
840							Interbedded dark gray, gray shales and gray arkosic sandstone. Dark gray 80% gray 15%, sd stn 5%		
850							Bottom of Boring 850'		
860									
870									
880									
890									
900									
910									
920									
930									
940									
950									
960									

Form 238-7
3/95

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

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

1. DRILLING PERMIT NO. 65-95-W-0072-000

Other IDWR No. _____

2. OWNER: (KLEINFELDER)

Name BENJAMIN F. &/OR MARY JANE DOBSON

Address P.O. BOX 125

City HORSESHOE BEND State ID Zip 83629

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N		Twp. <u>6</u> North <input checked="" type="checkbox"/> or South <input type="checkbox"/>	
E		Rge. <u>2</u> East <input checked="" type="checkbox"/> or West <input type="checkbox"/>	
W		Sec. <u>25</u> NW 1/4 NW 1/4 1/4	
S		Gov't Lot _____ County <u>BOISE</u>	
		Lat: _____ Long: _____	

Address of Well Site DOBSON RANCH WELL

SITE #1 _____ City _____
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

- Domestic Municipal Monitor Irrigation
- Thermal Injection Other TEST

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			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
BENTONITE	0	35	5 sack	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	Wetted	Thraped
8 5/8 +2	35	250		STEEL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

- Perforations Method _____
- Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

5 ft. below ground Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:

- Pump Bailor Air Flowing Artesian

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

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encountered _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment) Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
12	0	2	soil		
12	2	13	sandy silt		
12	13	15	silt stone gray		
12	15	21	sand stone gray		
12	21	30	shale		
12	30	35	sand stone		
8	35	850	shale gray		

Completed Depth 850' (Measurable)
Date: Started 04-26-95 Completed 05-04-95

13. DRILLER'S CERTIFICATION

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 _____

and _____

Supervisor or Operator _____ Date _____

(Sign once if Firm Official & Operator)