

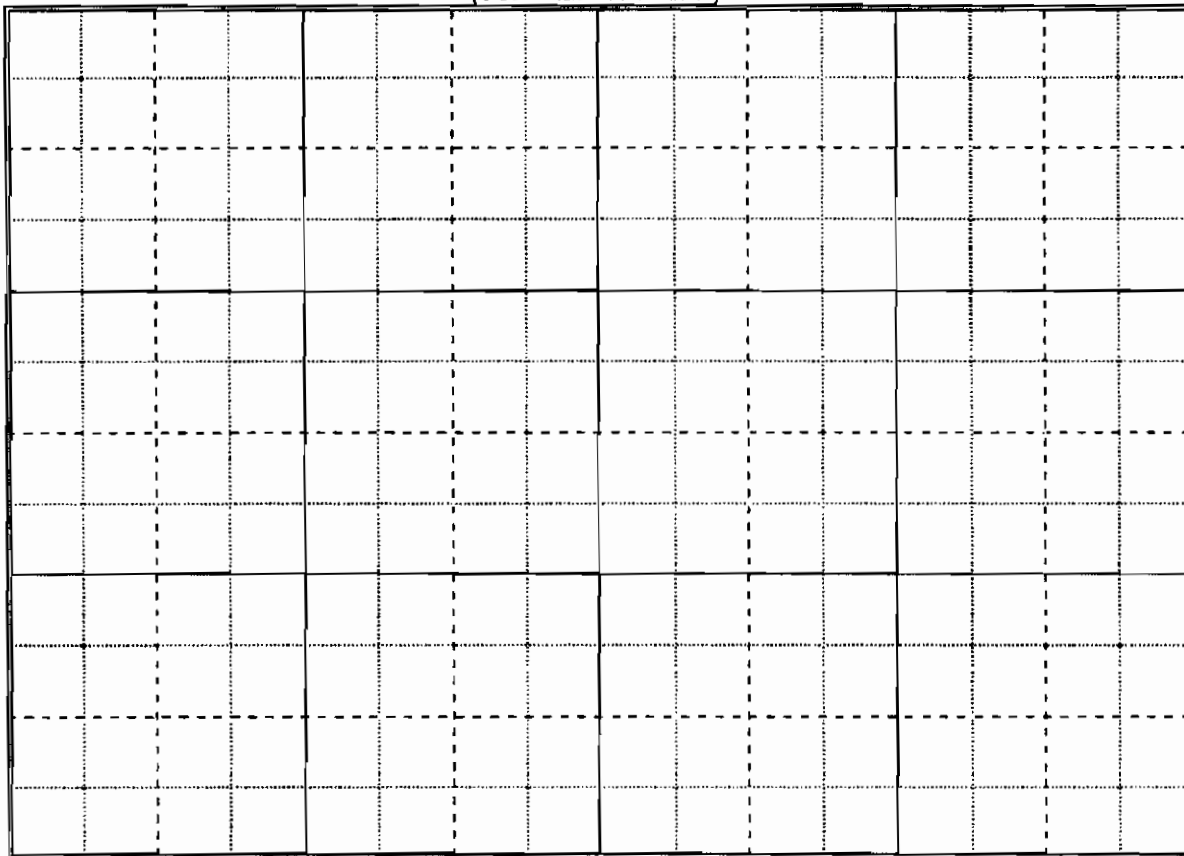
DOMESTIC WATER SYSTEM

Water Right 63-12569

[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe id as applicable.

(See Attached NAIPP)



Scale: 1" = _____

X Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required)

X Aerial Photo Attached (required for irrigation of 10+ acres)

X Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Franklin Electric	7.5	5N 00L18 02-3355	Goulds Submersible	Model 40GS

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Pump Curve						

2. **Measurements:** 50 GPM at 420' TDH (200' pwl + 20' friction loss + 86 psi discharge)

E. NARRATIVE/REMARKS/COMMENTS

A 16-inch well (aka Well #2) equipped with a 7.5-hp submersible pump supplies domestic water to two homes and stockwater for 500 beef cattle and 50 horses via 6-inch buried mainline. The home located in the NWSE primarily uses the water for internal domestic uses and incidental landscape irrigation. A separate irrigation system under rights 65-13933 and 63-31261 provides water to the majority of this home's landscape area. The home in the SWSE is a doublewide trailer and receives water from the domestic system for internal domestic uses and a small lawn. Stockwater is provided to watering troughs located along the center of the half pivot in the S1/2NE and inside an arena building located in the NWSE Section 7 (a 3-inch line extends off the 6-inch line for the arena troughs).

Well #2 is also equipped with a 200-hp irrigation pump covered on right 63-31261. Riverside Inc. drilled the well and installed the pumps. Dave Cleaver with Riverside Inc. supplied the attached pump curve.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins or other markings visible.

Have conditions of permit approval been met? X yes no

F. FLOW CALCULATIONS

Yes Additional Computation Sheets Attached
(Pump Curve)

Measured Method:

Per pump curve: 50 gpm pumping capacity or 0.11 cfs

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

Internal/external domestic uses for two homes: $2 \times 1.2 \text{ afa} = 2.4 \text{ afa}$

Stockwater for 500 beef stock and 50 horses: $550 \times .0134 = 7.4 \text{ afa}$

Potential System Volume: $0.11 \text{ cfs} \times 365 \text{ dys} \times 1.9835 = 79.6 \text{ afa}$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Domestic	1/1	12/31	0.08	2.4
<u>Stockwater</u>	<u>1/1</u>	<u>12/31</u>	<u>0.11</u>	<u>7.4</u>
Totals			0.11	9.8

2. Recommended Amendments (for stockwater)

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None
☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Terry M. Scanlan Date 1-22-08

Field Examiner's Signature Terry M. Scanlan

Reviewer _____ Date _____



CWRE #08-129

[Close](#)

IDAHO DEPARTMENT OF WATER RESOURCES
Water Permit Report

07/27/2007

WATER RIGHT NO. 61-12569

Owner Type Name and Address

Current Owner DANIEL B. HANSEN

Current Owner KAREN L. HANSEN

1717 CHISHOLM DR.

NAMPA, ID 83687

(208)890-2532

Priority Date: 04/19/2000

Status: Active

Source Tributary

GROUND WATER

Beneficial Use From To Diversion Rate Volume

STOCKWATER 1001 1203 0.14 CFS

DOMESTIC 1001 1203 0.08 CFS

Total Diversion 0.22 CFS

Location of Point(s) of Diversion

GROUND WATER NWSE1/4 Sec. 07 Township 06N, Range 03W PAYETTE County

Place(s) of use

Place of Use Legal Description: STOCKWATER PAYETTE County

Township Range Section Lot Acres Acre Feet/Year Acres/Year Acre Feet/Year Acres/Year Acre Feet/Year Acres/Year

Township	Range	Section	Lot	Acres	Acre Feet/Year	Acres/Year	Acre Feet/Year	Acres/Year
6N	3W	7	1001	1.2	1.2	1.2	1.2	1.2
				SENE				
				NWSE				

Place of Use Legal Description DOMESTIC same as STOCKWATER

Conditions of Approval

1. The irrigation occurring under this domestic use shall not exceed 1/2 acre for each home. Water bearing zone to be appropriated is from 50 to 500 feet. Stockwater use is for 50 horses and 500 range cattle. Domestic use is for 2 homes.
2. The Director retains jurisdiction to require the right holder to provide purchased or leased natural flow or stored water to offset depletion of Lower Snake River flows if needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary, if needed for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this permit.
3. 20A. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.
4. 046. Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
5. 071. The domestic use authorized under this right shall not exceed 12,000 gallons per day per home.

Dates:

Proof Due Date: 05/01/2005

Proof Made Date: 06/27/2005

Approved Date: 04/08/2000

Mortgage Expiration Date:

Enlargement Use Priority Date:

Enlargement Statute Priority Date:

Application Received Date: 02/02/2000

Protest Deadline Date:

Number of Protests: 0

Field Exam Date:

Date Sent to State Off:

Date Received at State Off:

Other Information

State or Federal:

Owner Name Connector: AND

Water District Number:

Generic Max Rate per Acre:

Generic Max Volume per Acre:

Swan Falls Trust or Nontrust:

Swan Falls Dismissed:

DLE Act Number:

Cary Act Number:

Mitigation Plan: False

[Close](#)

FOR OFFICE USE ONLY Amt.
of Fee \$: 100.00
Receipt No. 0078398
Receipt By: [Signature]
Date Received: 6/27/05

RECEIVED

JUN 27 2005

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

Department of Water Resources

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

1. Permit No. 63-12569 Telephone No. 208-890-2552

2. Name of Permit Holder(s) Daniel B. Hansen and/or Karen L. Hansen

3. Mailing Address: KD Bar Ranch, 1717 Chisholm Drive

City Nampa State Idaho Zip 83687

4. Source of Water: Groundwater If GROUNDWATER (well), Date Drilled: mo. May / yr. 2001

Well Driller: Riverside, Inc. Drilling Permit Number: Well Tag D15829

Use(s) (as authorized by the water right permit):

Domestic (No. of households): 2 Stockwater (No. and type of stock): 50 horses, 500 cattle

Irrigation (No. of acres): Other:

6. Total rate of diversion and/or volume for which proof is submitted: 0.220 cfs cfs OR acre-feet

7. Measuring Device Requirement (refer to the approval conditions on your permit and respond accordingly)
(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device: Is a measuring device required? Yes or No X
Has the measuring device been installed? Yes or No X

8. Fee Enclosed: \$: 100.00 (See Fee Schedule on back of the instructions for filing proof of beneficial use)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: Dan Hansen Telephone Number: 208-890-2552

Address: KD Bar Ranch, 1717 Chisholm Drive, Nampa, ID 83687

10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted. I agree to relinquish any undeveloped portion of the permit to the State of Idaho.

Signature of permit holder: Daniel B. Hansen
(include your title, if on behalf of company or organization)

Date:

Permit 63-12569 System Diagram
2006 NAIP Photography



0 120 240
Feet



Water Engineering, LLC
water resource consultants
1000 S. 10th Street, Suite 100, Phoenix, AZ 85006
Tel: 602.944.4444 Fax: 602.944.4444

T6N R3W Section 7

SWNE

SENE

NWSE

Home #1

SWSE

Home #2

Pond for Black Canyon Shares

Legend



63-12569 Well



63-12569 Stockwater Troughs



6-inch Mainline

Permit 63-12569 System Diagram



0 120 240
Feet



Water Engineering, LLC
water resource consultants
100 E. Main Street, Suite 100, Boise, Idaho 83721
P: 208.333.1111 F: 208.333.1112

T6N R3W, Section 7

SWNE

SENE

NWSE

Home #1

2540

SWSE

Home #2

Pond for Black Canyon Shares

Legend

-  63-12569 Well
-  63-12569 Stockwater Troughs
-  6-inch Mainline

Permit 63-12569
9/5/2007 Exam Photos



Home #1
NWSE



Home #2
SWSE



Stockwater Use

(Standing between the SWNE and SENE, looking south at the indoor arena building located in the NWSE)

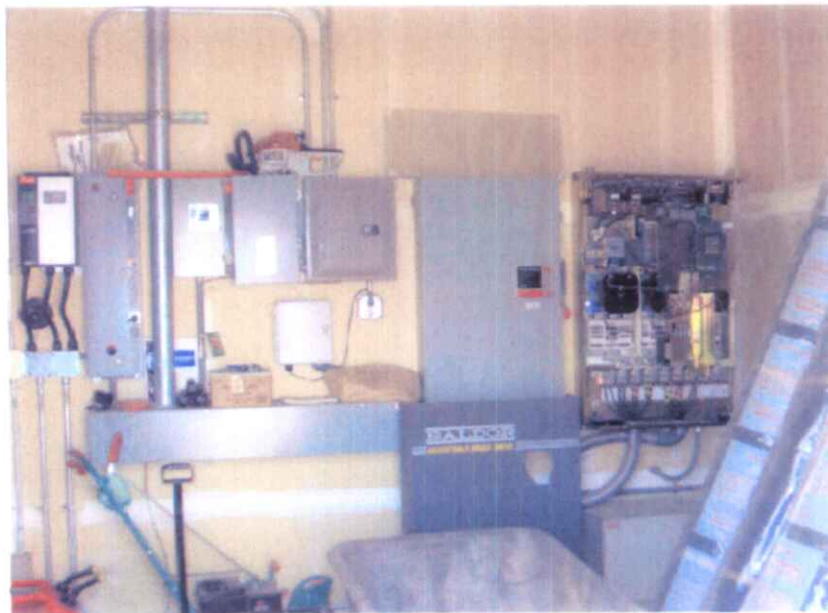


16-inch well (aka
Well #2) with 7.5-
HP Submersible

Well and Controlling Works House in the NWSE
(Facing east)



Controlling Works



DOMESTIC WELL (WELL #2)

Log and Pump Curve

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

pg 1 of 2

767079

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 _____ 1/4 _____ 1/4 _____
Lat _____ Long _____
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

1. WELL TAG NO. D 15829
DRILLING PERMIT NO. _____
Other IDWR No. 63-12569 7501

2. OWNER
Name Daniel & Karen Hansen
Address P.O. Box 332
City Nampa State ID Zip 83653

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
W
E
S
Twp. 6 North ☒ or South ☐
Rge. 3 East ☐ or West ☒
Sec. 7 1/4 NW 1/4 SE 1/4
Gov't Lot _____ County Payette
Lat _____ Long _____
Address of Well Site Link NE
Black Canyon I-84 Exit City Sand Hellen
(Draw at least three (3) lines - Distance to Road or Landmark)

Li. _____ Bk. _____ Sub. Name _____

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other Stock

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD

☐ Air Rotary ☐ Cable ☐ Mud Rotary ☒ Other Reverse

7. SEALING PROCEDURES

SEAL/FILTER PACK	AMOUNT	METHOD
Material	From To Sacks or Pounds	
<u>5' Bentonite</u>	<u>0 320</u> <u>60000#</u>	<u>overbore</u>
<u>5' Bentonite</u>	<u>311 382</u> <u>2500#</u>	<u>overbore</u>
<u>4' EPS</u>	<u>382 391</u> <u>312991</u>	<u>overbore</u>

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
<u>16"</u>	<u>2</u> <u>340'</u> <u>375'</u>	<u>Steel</u>	☒	☐	☒	☐
<u>16"</u>	<u>380'</u> <u>387'</u> <u>375'</u>	<u>Steel</u>	☐	☐	☒	☐
<u>16"</u>	<u>392'</u> <u>437'</u> <u>375'</u>	<u>Steel</u>	☐	☐	☒	☐

Length of Headpipe 392' - 395' Length of Tailpipe 10'

9. PERFORATIONS/SCREENS

Perforations Method Tobacco
Screens Screen Type Wire Wrap

From To Slot Size Number Diameter Material	Casing	Liner
<u>340' 380' .035 16" SS.</u>	☒	☐
<u>387' 398' .035 16" SS.</u>	☒	☐
<u>437' 457' .035 16" SS.</u>	☒	☐
<u>470' 505' .035 16" SS.</u>	☒	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

126 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: 1 1/2" pipe

11. WELL TESTS:

Yield gal/min	Drawdown	Pumping Level	Time
<u>2200</u>	<u>72'</u>	<u>251</u>	<u>2 hrs.</u>

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	Y	N
<u>28</u>	<u>0 4</u>	<u>Top Soil</u>		
<u>28</u>	<u>4 8</u>	<u>Coarse to Mud tan Sand</u>		
<u>28</u>	<u>8 12</u>	<u>Coarse Brown Clay</u>		
<u>28</u>	<u>12 36</u>	<u>Coarse to fine Sand w/ clay</u>		
<u>28</u>	<u>36 41</u>	<u>lt. Gray Clay</u>		
<u>28</u>	<u>41 50</u>	<u>Coarse to Med lt. Gray Sand</u>		
<u>28</u>	<u>50 60</u>	<u>Med lt. Brown Sand w/ fine clay</u>		
<u>28</u>	<u>60 67</u>	<u>Mud to Coarse lt. Gray Sand</u>		
<u>28</u>	<u>67 70</u>	<u>Tan Clay</u>		
<u>28</u>	<u>70 76</u>	<u>Sandy lt. Brown Clay</u>		
<u>28</u>	<u>76 80</u>	<u>Tan Clay</u>		
<u>28</u>	<u>80 84</u>	<u>Coarse to Med lt. Gray Sand</u>		
<u>28</u>	<u>84 85</u>	<u>Brown Clay</u>		
<u>28</u>	<u>85 88</u>	<u>Med. Brown Sand</u>		
<u>28</u>	<u>88 90</u>	<u>Gray Clay</u>		
<u>28</u>	<u>90 93</u>	<u>Gray Clay</u>		
<u>28</u>	<u>93 101</u>	<u>Coarse to Med lt. Gray Sand</u>		
<u>28</u>	<u>101 109</u>	<u>Tan Clay</u>		
<u>28</u>	<u>109 119</u>	<u>Coarse to Med lt. Brown Sand</u>		
<u>28</u>	<u>119 130</u>	<u>Mud to Coarse lt. Brown Sandy Clay</u>		
<u>28</u>	<u>130 139</u>	<u>Coarse to Med tan Sand</u>		
<u>28</u>	<u>139 143</u>	<u>Tan Clay</u>		
<u>28</u>	<u>143 160</u>	<u>Mud to Coarse Sandy tan Clay</u>		
<u>28</u>	<u>160 169</u>	<u>Fine Med tan Sand Clay</u>		
<u>28</u>	<u>169 185</u>	<u>Coarse to Med tan Sand</u>		
<u>28</u>	<u>185 187</u>	<u>Tan Clay</u>		
<u>28</u>	<u>187 195</u>	<u>Coarse to Med tan Sand</u>		
<u>28</u>	<u>195 200</u>	<u>lt. Brown Clay</u>		
<u>28</u>	<u>200 216</u>	<u>Mud to Coarse tan Sand</u>		
<u>28</u>	<u>216 218</u>	<u>Tan Clay</u>		
<u>28</u>	<u>218 240</u>	<u>Coarse to Med lt. Brown Sand</u>		

Completed Depth 320' (Measurable)
Date: Started 5/10/01 Completed 5/17/01

13. DRILLER'S CERTIFICATION

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

Company Name Riverside, Inc. Firm No. 333

Firm Official [Signature] Date _____
and _____
Driller or Operator _____ Date 6-13-01
(Sign once if Firm Official & Operator)

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 _____
☐ Air ☐ Flowing Artesian

1. WELL TAG NO. D 15829
DRILLING PERMIT NO. _____
Other IDWR No. 63-12509 JUN 14 2001

2. OWNER:
Name Daniel & Karen Hanes
Address P.O. Box 337
City ampa State ID Zip 83653

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
W E S
Twp. 6 North ☒ or South ☐
Rge. 3 East ☐ or West ☒
Sec. 7 1/4 NW 1/4 SE 1/4
Gov't Lot _____ County po yett
Lat _____ Long _____
Address of Well Site _____ City _____
(Give at least name of road or reference to road or landmark)

Lt. _____ Bk. _____ 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			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		

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
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

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:

_____ ft. below ground Artesian pressure _____ lb.

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

11. WELL TESTS:

☐ Pump ☐ Bailor

Yield gal./min	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter _____

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

Race Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
28	240	242	tan Clay		
28	242	244	coarse to med tan Sand		
28	244	250	tan Sandy Clay		
28	250	253	med to coarse brown Sand		
28	253	256	Sandy Brown Clay		
28	256	260	tan Clay		
28	260	270	med to coarse Sand & tan Clay mix		
28	270	283	coarse to med tan Sandy Clay		
28	283	297	coarse to med Sandy tan Clay		
28	297	334	med to coarse tan Sandy Clay		
28	334	378	coarse to med tan Sandy Clay		
28	378	385	Blue Clay		
28	385	395	coarse to med Gray Sand		
28	395	397	Blue Clay		
28	397	400	coarse to med Gray Sand		
28	400	409	Blue Clay w/ thin Sand streak		
28	409	411	coarse to med Gray Sand		
28	411	420	Blue Clay w/ thin Sand streak		
28	420	428	coarse to med Gray Sand		
28	428	447	med to coarse Blue Sandy Clay		
28	447	459	med to coarse Gray Sand		
28	459	470	med to coarse Blue Sandy Clay		
28	470	525	coarse Sand w/ some Clay		
28	525	530	med fine 4' Blue Clay		

Completed _____ Depth 530' _____ (Measurable)
Date: Started 5/14/01 Completed 5/17/01

13. DRILLER'S CERTIFICATION

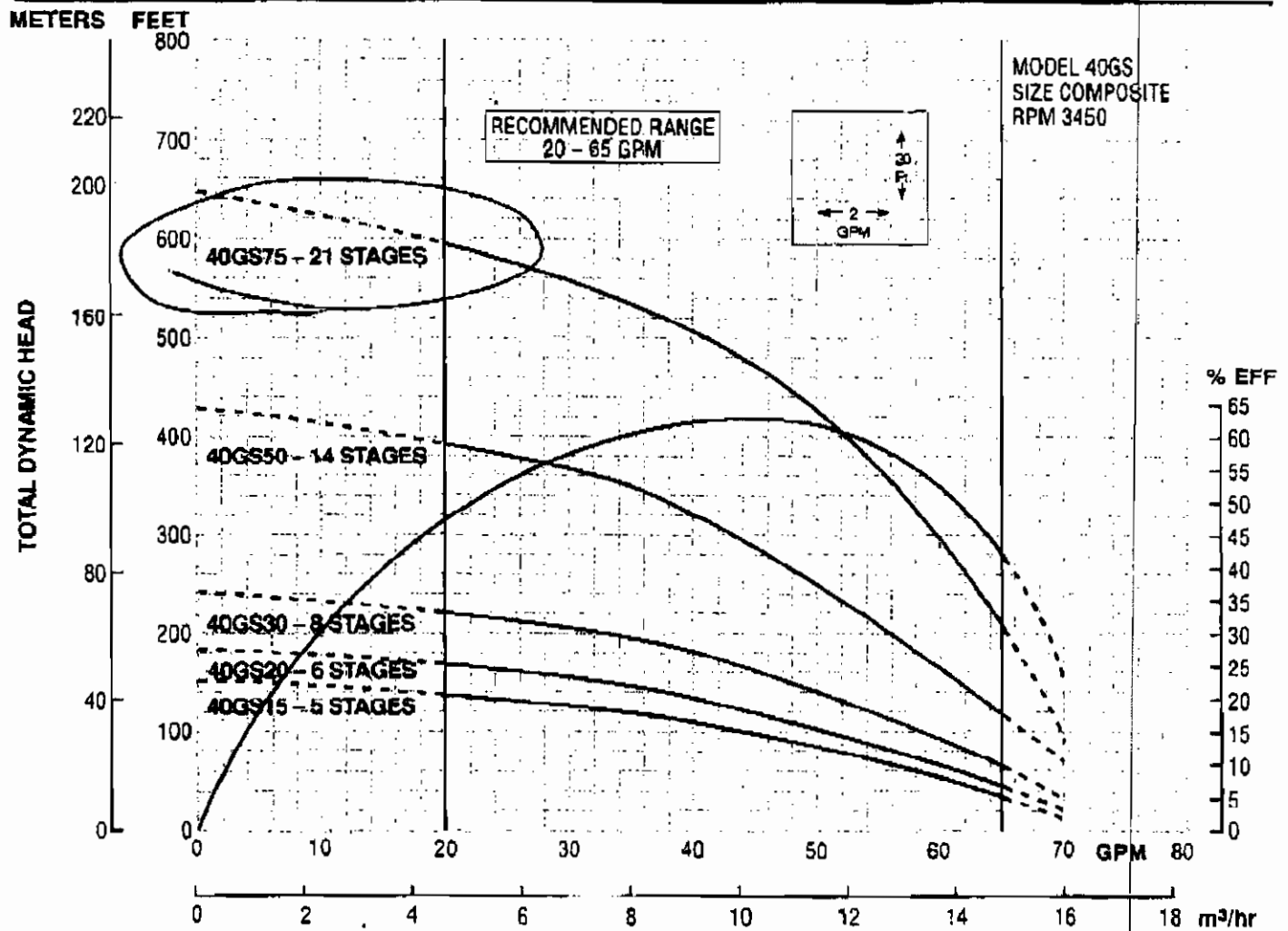
I We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name _____ Firm No. _____

Firm Official _____ Date _____

and
Driller or Operator _____ Date _____

(Sign once if Firm Official's Operator)



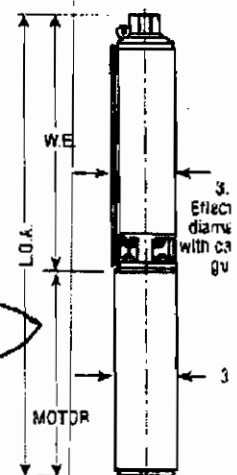
Pump set AT 325^{CAPACITY} 50 GPM AT 420 TDA

DIMENSIONS AND WEIGHTS

Model	HP	Phase	Stages	Length (Inches)			Weight (lbs.)		
				W.E.①	Motor	L.O.A.②	W.E.	Motor	Total
40GS15412	1½	1	5	13.0	13.6	26.6	7.5	28.0	35.5
40GS15432, 34	1½	3	5	13.0	11.8	24.8	7.6	23.0	30.5
40GS20412	2	1	6	14.2	15.1	29.3	8.1	30.0	37.1
40GS20432, 34	2	3	6	14.2	13.6	27.8	8.1	28.0	35.1
40GS30412	3	1	8	16.6	23.5	40.1	9.4	52.0	61.4
40GS30432, 34	3	3	8	16.6	20.6	37.2	9.4	43.0	52.4
40GS50412	5	1	14	24.0	29.5	53.5	13.2	69.0	82.2
40GS50432, 34	5	3	14	24.0	23.6	47.6	13.2	53.0	66.2
40GS75432, 34	7½	3	21	34.0	29.6	63.8	18.4	66.0	84.4

⊙ W.E. = water end or pump without motor.

Ⓢ L.D.A. = length of assembly - complete pump - water end and motor.



ATT-Lori