

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 17-7136

Exam Date: 5/21/2012

1. Current Owner: H SANFORD CAMPBELL
430 N 600 W
LOGAN UT 84321
(801)752-8519

And/Or

PAUL D CAMPBELL
430 N 600 W
LOGAN UT 84321
(801)752-8519

2. Accompanied by: **TALK TO JOHN CAMPBELL**
Phone No:
Address: **SON**
Relationship to Permit Holder:

3. SOURCE**TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: **17-7118**
2. Other water rights with the same point of diversion: **17-7118**

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER	NE1/4NE1/4	Sec. 16,	Twp 16S,	Rge 30E, B.M.
ONEIDA County				
GROUND WATER	NE1/4SE1/4	Sec. 16,	Twp 16S,	Rge 30E, B.M.
ONEIDA County				

Method of Determination: **AIR PHOTOS**

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
16S	30E	16	40.0	40.0	40.0	40.0									40.0	40.0	40.0	40.0	320.0

Total Acres: 320

Method of Determination:

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☐ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
Northwell		125hp			
South well		200hp			

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

Both wells - 21 handlines x 33 birds x 3.3 gpm = 5.09 cfs total

Now - two pivots - plus handlines in corners

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.5 \times 160 = 560$$

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 560$$

2. Volume Calculations for Other Uses:

$$\text{MAX CFS} = 5.00$$

$$3.20 \text{ AC} \times 3.5 = 1120$$

G. NARRATIVE/REMARKS/COMMENTS

two wells/pumps to 320 acres. used with 17-7118-2.0 cfs 320 acres.

north well 125 hp motor, south well 200 hp motor.

north well measured at 2.00 cfs. Both wells ran 21 handlines at 33 birds X 3.3 gpm/bird.

Now the two wells run two pivots and handlines in the corners.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/01 to 10/31	3.000 CFS	560.00 AF
<u>Totals:</u>		3.000 CFS	560.00 AF

2. Recommended Amendments

☐ 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 DAVE CARLSON Date 6/11/2012

Reviewer James Cefalo Date 6/18/2012



Project Inspection Photographs



File Number: 17-07136

Taken By: Dennis Dunn

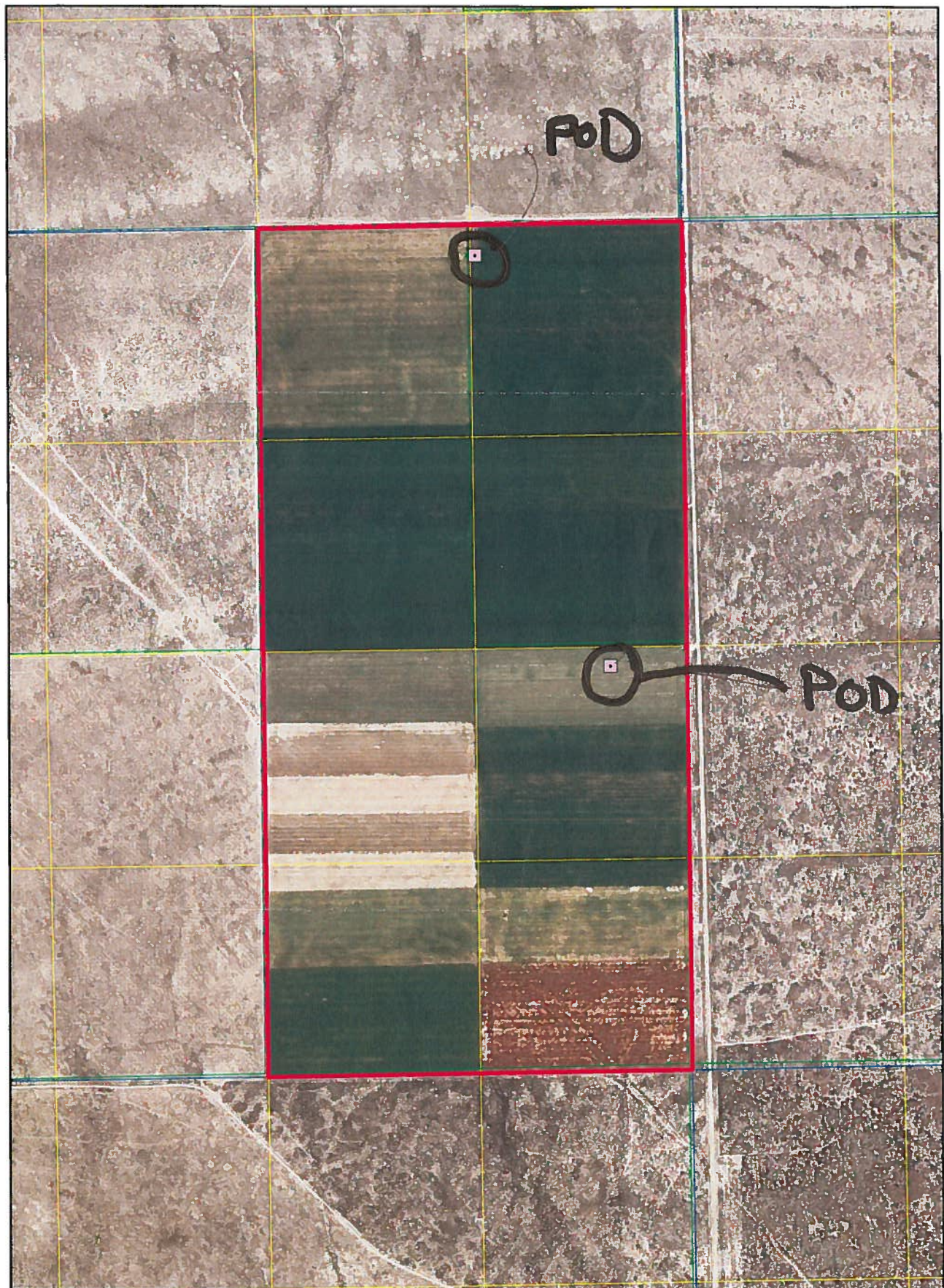
Notes



Notes

Pd 17-07136 looking NW

17-7136



Form 238-3/95
W.R.
DMD

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

061611

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

1. DRILLING PERMIT NO. 17-97-E-0004-000
Other IDWR No. 17-07136 Tag # D0004066

2. OWNER Name Paul D Campbell
Address 430 N. 600 W
City Logan State UT Zip 84321
801-752-8519

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

N
W
E
S
Twp. 16S North ☐ or South ☒
Rge. 30 East ☒ or West ☐
Sec. 16 1/4 NE 1/4 SE 1/4
Gov't Lot _____ County ONEIDA
Lat: : : Long: : :
Address of Well Site approximately
10 mile S Jumpers Exit 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 _____

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		
<u>Cement</u>	<u>+1</u>	<u>20</u>	<u>Commercially Delivered</u>		
			<u>Base & Side poured on</u>		
			<u>gravel + 15 yds</u>		

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 277 + 216
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>20"</u>	<u>+1</u>	<u>277</u>	<u>2.50</u>	<u>Steel</u>	☐	☐	☒	☐
<u>16"</u>	<u>216</u>	<u>550</u>	<u>1"</u>	<u>"</u>	☐	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☒ Perforations Method MILLS KNIFE
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>295</u>	<u>555</u>	<u>1/2 x 3"</u>	<u>744</u>			☐	☒
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

234 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: INSIDE as per tag

11. WELL TESTS:

☐ Pump	☐ Bailor	☐ Air	☐ Flowing Artesian
Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. cold Bottom hole temp. _____
Water Quality test or comments: not salty

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
<u>32</u>	<u>0</u>	<u>22</u>	<u>Top Soil & gravel</u>		☒
<u>20</u>	<u>22</u>	<u>38</u>	<u>gravel & tan clay</u>		☒
	<u>38</u>	<u>65</u>	<u>Reddish brown clay</u>		☒
	<u>65</u>	<u>81</u>	<u>gravel</u>		☒
	<u>81</u>	<u>253</u>	<u>Sandy Brown Clay small windows of gravel</u>	☒	☒
	<u>253</u>	<u>287</u>	<u>Tan Brown Sandstone</u>		
	<u>287</u>	<u>304</u>	<u>Brown clay strips of gravel</u>	☒	
	<u>304</u>	<u>345</u>	<u>light Brown Sandstone limy strips of gravel</u>	☒	
	<u>345</u>	<u>455</u>	<u>Dark Brown Sandstone limy gravel strips</u>	☒	
			<u>350-5, 355-7, 360-67</u>		
			<u>370-77, 410-15, 430-45</u>		
<u>455</u>	<u>650</u>		<u>Dark Brown limestone Black Rock - Brown mud looked to be aquifer full drilled length</u>	☒	

RECEIVED

RECEIVED NOV 19 1997

NOV 26 1997 Department of Water Resources Eastern Region

Department of Water Resources APR 07 1998

Completed Depth 550 (Measurable)
Date: Started 9-17-97 Completed 10-27-97

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 Weech Well Drill Firm No. 210

Firm Official Dexter Weech Date 11/18/97

and Supervisor or Operator Dexter Weech Date 11-18-97
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

FILED EFFECTIVE



AMENDMENT TO CERTIFICATE OR REGISTRATION OF LIMITED PARTNERSHIP

(Instructions on back of application)

2006 JAN 23 AM 8:59

SECRETARY OF
STATE OF IDAHO

208-645-3166

1. The name of the limited partnership is:

Black Pine Farm, LP

If the Limited Partnership has been administratively dissolved and the name is no longer available for use, #3a below must include an amendment of name.

2. The date on which its certificate or registration of limited partnership was filed with the Idaho

Secretary of State was 2/14/2000 and it's Domestic State is: Idaho
File No. L4339

3. The certificate of limited partnership is amended as follows: (check appropriate box(es))

☐ a. The name of the limited partnership is amended to read:

☒ b. The name and business address of the registered agent are amended to read:

John O. Campbell, 2475 South Juniper Road, Malta, ID 83342

☒ c. The name of each withdrawing general partner is:

Paul D. Campbell and Paulette J. Campbell

☒ d. The name and business address of each new general partner are:

(if more space is needed, continue in block f)
John O. Campbell, 2475 South Juniper Road, Malta, ID 83342

☒ e. The business of the limited partnership is continued following an event of withdrawal of a general partner.

☐ f. Other amendments (optional):

208-670-5248

4. Signature of at least one general partner and all new general partners:

Signature

Typed Name

Paul D. Campbell

Signature

Typed Name

John O. Campbell

Secretary of State use only

g:\comp\slm\lp\form\amend_lp.pmd
Revised 11/2003

IDAHO SECRETARY OF STATE
01/24/2006 05:00
CK: 34548 CT: 20649 BH: 933728
1 @ 30.00 = 30.00 LP AMEND # 2

L4339

RECEIVED

OCT 07 1998

Department of Water Resources
Eastern Region

(900
900)

3 Oct 1998

Paul R. Meyer, Sr. Water Resource Agent, Eastern Region
Idaho Dept. of Water Resources
900 N. Skyline Drive
Idaho Falls, ID 83402

RE: Completion of work under Permit No. 17-07136 (amended) in Sec. 16, T 16S, R 30E, Oneida County

Dear Mr. Meyer,

Work has now been completed under the above permit, and I would like to provide a full description of the development as it relates to the previous development under Permit No. 17-07118.

As was observed by Don Simpkins of your department in 1996, the beneficial use of water developed under Permit No. 17-07118 was sourced from a well located in NENE S16 T16S R30E flowing approximately 1.8 cfs and applied to 320 acres being the E ½ of Sec. 16. As I had previously mentioned to you, the well was inadequate to optimize production on the 320 acres, and so application was made and Permit No. 17-07136 was secured to develop additional water.

The development is now complete with an additional well located in NESE S16 T16S R30E flowing approximately 2.9 cfs. Additional pressurized main line was constructed as part of the development interconnecting the wells so that either well may deliver water to the entire 320 acres, or both wells may be simultaneously operated. The piping is constructed with one-way valves at each well so that water may not flow from one well through the main line and into the other well.

Accompanying this letter is a form, together with the required payment for processing, indicating that work is complete. Beneficial use began under Permit No. 17-07136 on 2 Oct 1998. I understand that the Department will schedule a visit to make measurements as part of the process of issuing a license. May I suggest that July of 1999 would be a good time for that because it is likely that both wells will be in continuous operation during the entire month. I have not yet received a license under Permit No. 17-07118, and I suspect that the Department may have suspended the process while work on the latter permit was being completed.

Thank you for the cooperation extended by you and others in the Department during the many years it has taken to complete work under both permits. I anticipate that licenses will be forthcoming. Please let me know if there is anything more I need to do at this time to initiate that process.

Sincerely,

Paul D. Campbell
Paul D. Campbell
430 North 600 West
Logan, UT 84321

(1500 gpm)

[200 hp]

18(33) x 4 =

MICROFILMED

NOV 24 1998

THEORETICAL PUMP FLOW CALCULATIONS

Formula:

$$Q_{cfs} = [(Hp) (8.814) (Eff)] \div [Lift + (psi \times 2.308)] \text{ south well}$$

$$Hp = \text{Horsepower} = \underline{125} \quad 200 \text{ hp}$$

$$Eff = \text{Efficiency} = \underline{70\%} \quad (\text{Usually } 70\%)$$

$$\text{Lift: (Static Level + Assumed Draw down)}$$

$$\text{Static Water Level} = \underline{\hspace{2cm}} \text{ ft.}$$

$$\text{Assumed Draw down} = + \underline{\hspace{2cm}} \text{ ft.}$$

$$\text{Lift} = \underline{\hspace{2cm}}$$

OR

$$\text{Measured Dynamic Water Level} = \underline{280} \text{ ft. PER Owner}$$

$$psi = \text{Operating Pressure} = \underline{40} \text{ psi}$$

$$Q_{cfs} = \left[\frac{125}{Hp} \times 8.814 \times \frac{0.70}{Eff} \right] \div \left[\frac{280}{Lift} + \left(\frac{40}{psi} \times 2.308 \right) \right]$$

$$Q_{cfs} = \left[\underline{771.22} \right] \div \left[\underline{372.32} \right]$$

$$Q_{cfs} = \underline{2.07} \text{ cfs}$$

$$\frac{1233.96}{400} = 3.08 \text{ cfs} \text{ south well}$$

PERMIT NO. 17-07118

1716

1 December 1998
Dennis Dunn

PD 17-07118

1615

mainline
with risers

wheat, 160 acres

mainline Pd
17-07136

valved T

mainline with
risers

wheat, 160 acres

T16S
R30E

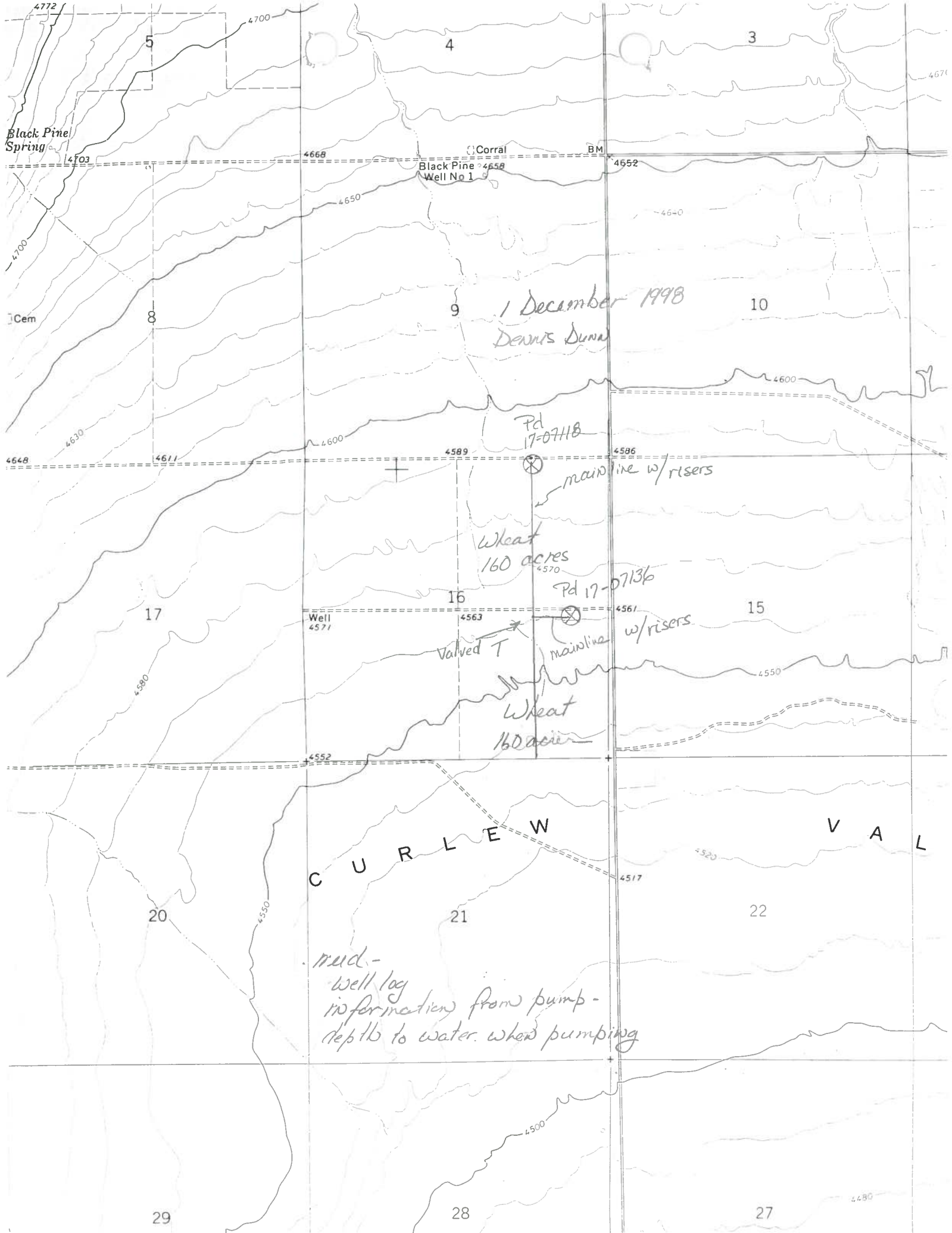
Sec. 16

Roadway

1615

2122

1716
2021





Project Inspection Photographs



File Number: 17-07136 / 17-07118

Taken By: Dennis

Notes



Notes

Photo looking north from "T." notice pd for 17-07118 at end of mainline in the middle of the photo.



Project Inspection Photographs



File Number: 17-07136 / 7118

Taken By: Deanna

Notes



Notes

looking south along mainline from "T"



Project Inspection Photographs



File Number: 17-07136

Taken By: Dennis Dunn

Notes



Notes

Pl 17-07136 looking NW



Project Inspection Photographs



File Number: 17-07136

Taken By: SPRINTS

Notes



Notes

looking west from pd towards "valved T." Notice buried mainline.



Project Inspection Photographs



File Number: 17-07136 / 17-07118

Taken By: _____

Notes



Notes

Valve on T
Photo looking west

