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July 2000
DNR Form 145

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES
WATER WELL REGISTRATION

FOR DEPARTMENT USE ONLY

Registration Date 12-17-2001 Sequence No. 136974 Registration No. G-113420
Owner Code No. 59824 Receipt No. R9383 Lewis & Clark NRD

1. Well Owner Daniel Doerr Telephone Number (402) 358-3354
Address 87297 533rd Ave.
City Crescent State Ne. Zip Code 68729 +

2. Drilling Firm Buchanan Well Co. Inc. Telephone Number (402) 748-3581
Address 501 N. Main St. Contractor's License No. 39245
City Osmond State Ne. Zip Code 68765 +

3. Permit Number(s) N/A

4. Purpose of well (indicate one): ☐ Dewatering (over 90 days) ☐ Domestic ☐ Ground Heat Exchanger
☐ Ground Water Source Heat Pump ☐ Industrial ☐ Injection ☒ Irrigation (important, see 6D and 6E)
☐ Livestock ☐ Monitoring ☐ Observation ☐ Public Water Supply (with spacing (46-436))
☐ Public Water Supply (without spacing) ☐ Recovery ☐ Aquaculture ☐ Other _____
(indicate one)

5. Replacement and abandoned well information.

A. Is this well a replacement well? ☐ Yes ☒ No

B. Registration number of abandoned well: _____
If not registered, date well construction completion (m) ____/ (d) ____/ (y) ____

C. Replacement well is _____ feet from abandoned well.

D. Abandoned well last operated (m) ____/ (d) ____/ (y) ____

E. Original well pump column size: _____ inches.

F. Completion of original well abandonment on (m) ____/ (d) ____/ (y) ____

G. Location of water use of abandoned well: _____

6. A. Well location: SW 1/4 of the NE 1/4 of Section 23, Township 29 North, Range 5 East West Knock County.

B. The well is 1330 feet from the North (circle one) section line and 1350 feet from the East (circle one) section line.

C. Street address or block, lot and subdivisions, if applicable: _____

D. Location of water use, if applicable (give legal descriptions): T18 1/4 23-29-5W Knock Co. Neb.

E. If for irrigation, the land to be irrigated is 130 acres.

F. Well reference letter(s), if applicable: _____

7. Pump Information.

Is pump installed at this time: ☒ Yes ☐ No

If yes, complete items A through F.

If no, complete items A and D with estimated information for those wells in which pump will be installed.

A. Actual pumping rate, if applicable: 800 gallons per minute. Measured ☐ or Estimated ☒

B. Drop pipe diameter: 8" inches. C. Length of drop pipe: 50 feet.

D. Pumping equipment installed: (month) 5 / (day) 5 / (year) 91 E. Brand/Type: Western - Lead Roller

F. Company Name Buchanan Well Co. Inc. Pump Installer Name Dennis Buchanan

Address 501 N. Main St. Telephone Number (402) 748-3581

City Osmond State Ne. Zip Code 68765 + Contractor's License No. 39245

G-113420

8. Well Construction Information.

- A. Total well depth: 78 feet. B. Static water level: 17 feet.
- C. Pumping water level: 24 feet ☐ Estimated or ☒ Measured (at what gallons per minute rate 800)
- D. Well Construction began: (month) 2 / (day) 20 / (year) 81 E. Well Construction completed: (month) 2 / (day) 20 / (year) 81
- F. Bore hole diameter: 28 inches.
- G. Plain Casing: Diameter 15' ID 16' OD inches. Type of material: Transite
 Wall thickness: .50 inch(es). Joints—Welded/Glue/Threaded/Other: Galvanized Steel Bands
 Placement depth(s) from 0 ft. to 36 ft. from 72 ft. to 78 ft.
- H. Screen: 15' ID 16' OD in.; Type of material Transite + Steel
 Screen openings (slot size): — Trade name: — 10' Irrigator Screen
 Placement depth(s) from 36 ft. to 62 ft. from 62 ft. to 72 ft. Guides at — ft.
- I. Gravel pack interval(s) from 10 ft. to 78 ft. from — ft. to — ft. Grade size: Single Spec.
- J. Grouted/Sealed from 0 ft. to 5 ft., with top soils
 (type)
 from 5 ft. to 10 ft., with Bentonite
 (type)
- K. Drilling method: Reverse Rotary L. Drilling fluid: Water
- M. Well development technique (total time and method): Test pumping until clear
- N. Will chemicals, fertilizer or antifreeze be injected or utilized in the system? ☒ Yes ☐ No
 If yes, what will be used: Lorban or Pounce

9. Geologic Materials Logged

DEPTH IN FEET FROM	TO	DESCRIPTION	DEPTH IN FEET FROM	TO	DESCRIPTION
<u>0</u>	<u>20</u>	<u>Sand</u>			
<u>20</u>	<u>35</u>	<u>Sand + Gravel</u>			
<u>35</u>	<u>72</u>	<u>coarse Sand Gravel</u>			
		<u>+ rocks</u>			
<u>72</u>	<u>78</u>	<u>Shale</u>			

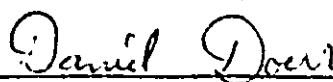
(Additional sheets may be submitted)

10. I am familiar with the information submitted on this registration, and to the best of my knowledge it is true.

Buchanan Wells Co. Inc.



 12-7-01
 Date



 Daniel Doerflinger
 Water Well Owner's Signature

 12-13-01
 Date