

## PUMP INSTALLATION AND TEST REPORT

STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

For Office Use only

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NOV 14 1994

WATER RESOURCES  
STATE ENGINEER  
COLO.

1. WELL PERMIT NUMBER 178970

2. OWNER NAME(S) MARK + DIANE DEUM  
Mailing Address PO BOX 3849  
City, St. Zip DILLON COLO 80435  
Phone ( )

3. WELL LOCATION AS DRILLED: SW 1/4 SW 1/4, Sec. 8 Twp. 21S Range 7W 6  
DISTANCES FROM SEC. LINES:  
100 ft. from South Sec. line, and 450 ft. from West Sec. line.  
(north or south) (east or west)  
SUBDIVISION: Bull Domoingo Ranch LOT E BLOCK \_\_\_\_\_ FILING(UNIT) \_\_\_\_\_  
STREET ADDRESS AT WELL LOCATION: \_\_\_\_\_

4. PUMP DATA: Type SUBMERSIBLE Installation Completed 11-2-94  
Pump Manufacturer GRUNDFOS Pump Model No. 5505-13  
Design GPM 5 at RPM 3450, HP 1/2, Volts 230, Full Load Amps 6  
Pump Intake Depth 187 Feet, Drop/Column Pipe Size 1 Inches, Kind SCH 80

## ADDITIONAL INFORMATION FOR PUMPS GREATER THAN 50 GPM:

TURBINE DRIVER TYPE: ☐ Electric ☐ Engine ☐ Other \_\_\_\_\_  
Design Head \_\_\_\_\_ feet, Number of Stages \_\_\_\_\_, Shaft size \_\_\_\_\_ inches.

5. OTHER EQUIPMENT:  
Airline Installed ☐ Yes ☐ No, Orifice Depth ft. \_\_\_\_\_, Monitor Tube Installed ☐ Yes ☐ No, Depth ft. \_\_\_\_\_  
Flow Meter Mfg. \_\_\_\_\_ Meter Serial No. \_\_\_\_\_  
Meter Readout ☐ Gallons, ☐ Thousand Gallons, ☐ Acre feet, ☐ Beginning Reading \_\_\_\_\_

6. TEST DATA: ☐ Check box if Test data is submitted on Supplemental Form.  
Total Well Depth 198 Date 11-2-94 11-2-94 11-2-94  
Static Level 64 Time 3:00 4:30 5:00  
Date Measured 11-2-94 Rate (GPM) 6 6 6  
Pumping Lvl. 64 85 85

7. DISINFECTION: Type CHLORINE BLEACH Amt. Used 16AL 40000 CIRCULATED

8. Water Quality analysis available. ☐ Yes ☐ No

9. Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

10. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge.  
[Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]

CONTRACTOR BURNS DRILLING Phone 719-275-5482 Lic. No. 1265  
Mailing Address 1344 ELM AVE CANON CITY COLO

Name/Title (Please type or print) DAVID WIGGINS Pump Installer Signature David Wiggins Date 11-6-94

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JUN 30 '94

WATER RESOURCES  
STATE ENGINEER  
COLD

1. WELL PERMIT NUMBER 178970

2. OWNER NAME(S) DIANE & MARK BELL  
Mailing Address P.O. Box 3849  
City, St. Zip DILLON CO. 80405  
Phone ( )

3. WELL LOCATION AS DRILLED: SW 1/4 SW 1/4, Sec. 8 Twp. 21 S, Range 72 W 6  
DISTANCES FROM SEC. LINES:  
100 ft. from SOUTH Sec. line, and 450 ft. from WEST Sec. line, OR  
(north or south) (east or west)  
SUBDIVISION: BULL DOMINGO RANCH LOT E BLOCK TRACT A PLUNG(UNIT)  
STREET ADDRESS AT WELL LOCATION:

4. GROUND SURFACE ELEVATION \_\_\_\_\_ ft. DRILLING METHOD AIR PERCUSSION  
DATE COMPLETED 6-25-94 TOTAL DEPTH 198 ft. DEPTH COMPLETED 198 ft.

5. GEOLOGIC LOG:

Depth	Description of Material (Type, Size, Color, Water Location)
0-4	BROWN TOP SOIL
4-11	GREY GRANITE, Decomposed
11-147	GREY GRANITE
147-155	TAN GRANITE
155-198	GREY GRANITE

REMARKS: WATER 130-147

6. HOLE DIAM. (in.) From (ft) To (ft)

8 7/8	0	19
6	19	198

7. PLAIN CASING

OD (in)	Kind	Wall Size	From (ft)	To (ft)
6 7/8	STEEL	.188	+1	19
4 1/2	PVC	.214	8	175

PERF. CASING: Screen Slot Size: .45

4 1/2	PVC	.214	175	198
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8. FILTER PACK:

Material	
Size	
Interval	

9. PACKER PLACEMENT:

Type	
Depth	

10. GROUTING RECORD:

Material	Amount	Density	Interval	Placement
Cement	2 bags	15.3	8-18	Pos Disp

11. DISINFECTION: Type Chlorine Bleach Amt. Used 1/2 GAL (water incl), 18 hrs.

12. WELL TEST DATA: ☐ Check box if Test Data is submitted on Supplemental Form.  
TESTING METHOD AIR LIFT  
Static Level 80 ft. Date/Time measured 6-25-94 10:45 AM, Production Rate 2.5 gpm.  
Pumping level 197 ft. Date/Time measured 6-25-94 10:55 AM, Test length (hrs.) 3  
Remarks:

13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. (Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.)  
CONTRACTOR YOUNG'S DRILLING INC Phone (719) 275-5482 Lic. No. 997  
Mailing Address:

Name/Title (Please type or print)	Signature	Date
<u>NOLAN YOUNG Pres.</u>	<u>Nolan Young</u>	<u>6-27-94</u>
<u>DENVER</u>		

OFFICE OF THE STATE ENGINEER  
COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203  
(303) 866-3581

997

APPLICANT

WELL PERMIT NUMBER **178970**  
DIV. 2 CNTY. 14 WD 13 DES. BASIN MD

Lot: E Block: Filing: 29 Subdiv: BULL DOMINGO RANCH

DIANE & MARK BELLM  
P O BOX 3849  
DILLON CO 80435

(719)275-5482

APPROVED WELL LOCATION  
CUSTER COUNTY

SW 1/4 SW 1/4 Section 8  
Twp 21 S RANGE 72 W 6th P.M.

DISTANCES FROM SECTION LINES

100 Ft. from South Section Line  
450 Ft. from West Section Line

**PERMIT TO CONSTRUCT A WELL**

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT  
CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction and Pump Installation Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 17.
- 3) Approved pursuant to CRS 37-92-602(3)(b)(II)(A) as the only well on a tract of land of 35.76 acres described as Carey "A" tract, lot E, Bull Domingo Ranch division of land, Custer County, being more particularly described on attached exhibit "A".
- 4) The use of ground water from this well is limited to fire protection, ordinary household purposes inside three (3) single family dwellings, the irrigation of not more than one (1) acre of home gardens and lawns, and the watering of domestic animals.
- 5) The maximum pumping rate shall not exceed 15 GPM.
- 6) The return flow from the use of the well must be through an individual waste water disposal system of the non-evaporative type where the water is returned to the same stream system in which the well is located.
- 7) This well shall be constructed not more than 200 feet from the location specified on this permit.

APPROVED

DWM

State Engineer

Receipt No. 0369873

DATE ISSUED JUN 15 1994

EXPIRATION DATE JUN 15 1996

**COLORADO DIVISION OF WATER RESOURCES**  
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

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MAY 19 '94

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**WATER RESOURCES**  
**STATE ENGINEER**  
**COLORADO**

60.00

CHEQUE

**PERMIT APPLICATION FORM**

Application must be complete where applicable. Type or print in **BLACK INK**. No overstrikes or erasures unless initialed.

FOR: ☒ A PERMIT TO USE GROUND WATER  
☒ A PERMIT TO CONSTRUCT A WELL  
☒ A PERMIT TO INSTALL A PUMP

( ) REPLACEMENT FOR NO. \_\_\_\_\_

( ) OTHER \_\_\_\_\_

WATER COURT CASE NO. \_\_\_\_\_

178970

**(1) APPLICANT - mailing address**NAME DIANE & MARK BELLMSTREET P.O. Box 3849CITY DILLON CO 80435  
(State) (Zip)TELEPHONE NO. 719-275-5482  
Nalen YOUNG**(2) LOCATION OF PROPOSED WELL**County CUSTERSW  $\frac{1}{4}$  of the SW  $\frac{1}{4}$ , Section 8Twp. 21 S, Rng. 72 W, 6 P.M.  
(N.S) (E.W)**(3) WATER USE AND WELL DATA**Proposed maximum pumping rate (gpm) 15Average annual amount of ground water to be appropriated (acre-feet): 1Number of acres to be irrigated: 1Proposed total depth (feet): 250

Aquifer ground water is to be obtained from:

GRANITEOwner's well designation HOME**GROUND WATER TO BE USED FOR:**

( ) HOUSEHOLD USE ONLY - no irrigation (0)  
☒ DOMESTIC (1) ( ) INDUSTRIAL (5)  
( ) LIVESTOCK (2) ( ) IRRIGATION (6)  
( ) COMMERCIAL (4) ( ) MUNICIPAL (8)

( ) OTHER (9) 3 Single Family Dwellings

DETAIL THE USE ON BACK IN (11)

**(4) DRILLER**Name YOUNG'S DRILLING INCStreet 1344 ELM AVECity CANON CITY CO 81212  
(State) (Zip)Telephone No. 719-275-5482 Lic. No. 997

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 369873 / \_\_\_\_\_

Basin \_\_\_\_\_ Dist. \_\_\_\_\_

**CONDITIONS OF APPROVAL**

This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.

Wellbook**APPLICATION APPROVED**

PERMIT NUMBER \_\_\_\_\_

DATE ISSUED \_\_\_\_\_

EXPIRATION DATE \_\_\_\_\_

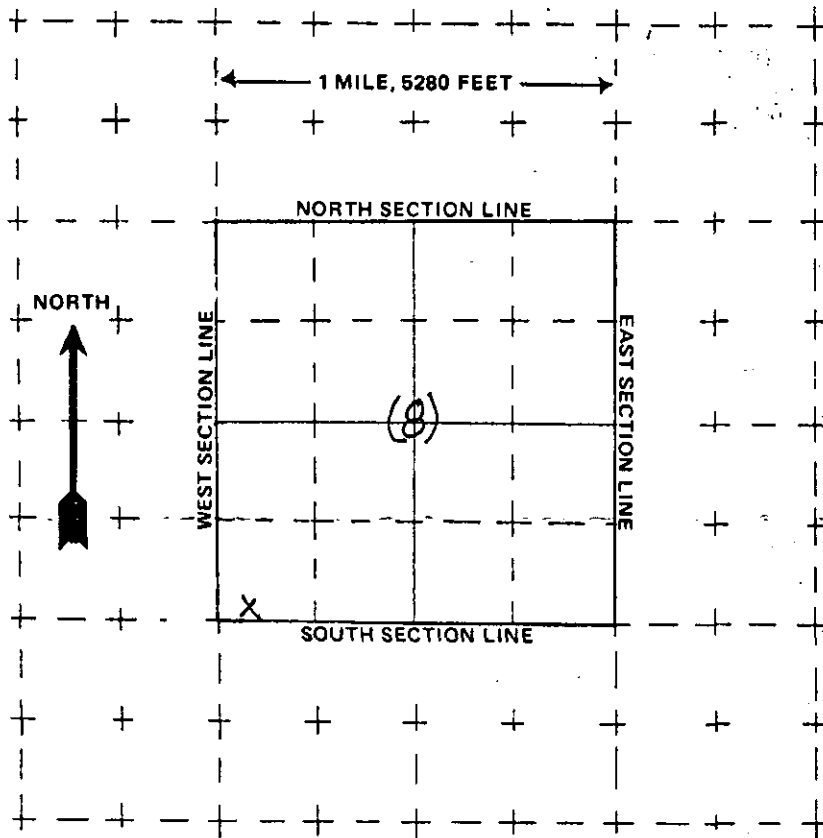
(STATE ENGINEER)

BY \_\_\_\_\_

I.D. 2 COUNTY 14 13

05-19-94CL-69873

(5) THE LOCATION OF THE PROPOSED WELL and the area on which the water will be used must be indicated on the diagram below. Use the CENTER SECTION (1 section, 640 acres) for the well location.



The scale of the diagram is 2 inches = 1 mile  
Each small square represents 40 acres.

**WATER EQUIVALENTS TABLE (Rounded Figures)**

An acre-foot covers 1 acre of land 1 foot deep  
1 cubic foot per second (cfs) . . . 449 gallons per minute (gpm)  
A family of 5 will require approximately 1 acre-foot of water per year.  
1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.  
1,000 gpm pumped continuously for one day produces 4.42 acre-feet.

(6) THE WELL MUST BE LOCATED BELOW by distances from section lines.

100 ft. from SOUTH sec. line  
(north or south)  
450 ft. from WEST sec. line  
(east or west)  
TRACT A  
LOT E BLOCK \_\_\_\_\_ FILING # 29  
SUBDIVISION BULL DOMINGO RANCH

(7) TRACT ON WHICH WELL WILL BE LOCATED Owner: APPLICANTS

No. of acres 35.76 Will this be the only well on this tract? YES

(8) PROPOSED CASING PROGRAM

Plain Casing

6 5/8 in. from 41 ft. to 19 ft.

4 1/2 in. from 8 ft. to 200 ft.

Perforated casing

4 1/2 in. from 200 ft. to 250 ft.

\_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

(9) FOR REPLACEMENT WELLS give distance and direction from old well and plans for plugging it.

N/A

(10) LAND ON WHICH GROUND WATER WILL BE USED:

Owner(s): APPLICANT No. of acres: 35.76

Legal description: SEE MAP & ATTACHED METES & BOUNDS DISC (LOCATED IN BULL DOMINGO RANCH)

(11) DETAILED DESCRIPTION of the use of ground water: Household use and domestic wells must indicate type of disposal system to be used.

Domestic 3 Single Family Dwellings, Lawn & Garden  
County Approved Septic System

(12) OTHER WATER RIGHTS used on this land, including wells. Give Registration and Water Court Case Numbers.

Type or right	Used for (purpose)	Description of land on which used

(13) THE APPLICANT(S) STATE(S) THAT THE INFORMATION SET FORTH HEREON IS TRUE TO THE BEST OF HIS KNOWLEDGE.

Nelson Young for Diane & Mark Belton  
SIGNATURE OF APPLICANT(S)

**WATER RESOURCES  
STATE ENGINEER  
DDBA**



- OTHER PARCEL LINES
- ALIQUOT LINES
- LINES OF CAREY PARCELS

**-NOTICE:**  
ACCORDING TO COLORADO LAW YOU MUST  
BASED UPON ANY DEFECT IN THIS SURV  
YOU FIRST DISCOVER SUCH DEFECT. IN  
COMMENCED MORE THAN TEN YEARS FR  
STATEMENT SHOWN HEREON.

- THE CLIENT DID NOT REQUEST THAT R  
OF WAY BE RESEARCHED DURING THE C

-COUNTY SURVEYOR'S FILE:  
DEPOSITED THIS \_\_\_\_ DAY OF \_\_\_\_ 19\_\_\_\_,  
OF THE COUNTY SURVEYOR'S LAND SURV  
PAGE \_\_\_\_ RECEPTION NUMBER

### ***SURVEYOR'S STATEMENT***

I, DO HEREBY, STATE TO MICHAL L. AND JEANNE CAREY THAT A SURVEY WAS PERFORMED UNDER MY SUPERVISION OF THE CELISI AS SHOWN AND DESCRIBED HEREON. FURTHER, THAT SAID MONUMENTED AS SHOWN AND IS CORRECTLY MONUMENTED TO THE MY KNOWLEDGE AND BELIEF.

CHRISTOPHER L. IKITA SHX  
COLORADO PLS NO. 198830.

# survey plat of THE CAREY PARCELS

IN SECTIONS 8 AND 17, T21S, R72W of the 6TH P.M., CUSTER COUNTY,  
COLORADO

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WATER RESOURCES  
STATE ENGINEER

DAVE & MARK  
BELL

## LEGAL DESCRIPTIONS PARCEL "A"

A PARCEL OF LAND IN SECTIONS 8 AND 17, T21S, R72W OF THE 6TH P.M., CUSTER COUNTY, COLORADO; BEING A PORTION OF A PARCEL AS DESCRIBED IN BOOK 206 AT PAGE 507 OF THE CUSTER COUNTY, COLORADO RECORDS; BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF THE ABOVE REFERENCED PARCEL; THENCE ON THE FOLLOWING 5 COURSES;

- 1- NORTH 00-19-33 WEST, ON THE WEST LINE OF SAID PARCEL, 1049.61 FT. TO THE NORTH WEST CORNER OF SAID SECTION 17
- 2- NORTH 07-11-40 WEST, CONTINUEING ON SAID WEST LINE OF THE ABOVE REFERENCED PARCEL, 318.33 FT. TO THE NORTHWEST CORNER THEREOF
- 3- NORTH 74-29-30 EAST, ON THE NORTH LINE OF THE SAID ABOVE REFERENCED PARCEL, 1217.53 FT.
- 4- SOUTH 07-19-33 WEST, 1704.65 FT. TO A POINT ON THE SOUTH LINE OF SAID ABOVE REFERENCED PARCEL
- 5- SOUTH 89-59-08 WEST ON SAID LINE, 910.00 FT. TO THE POINT OF BEGINNING CONTAINING 35.76 ACRES±

Young's DR19  
Nolan Young  
719-225-5482

## PARCEL "B"

A PARCEL OF LAND IN SECTIONS 8 AND 17, T21S, R72W OF THE 6TH P.M., CUSTER COUNTY, COLORADO; BEING A PORTION OF A PARCEL AS DESCRIBED IN BOOK 206 AT PAGE 507 OF THE CUSTER COUNTY, COLORADO RECORDS; BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF THE ABOVE REFERENCED PARCEL; THENCE ON THE FOLLOWING 8 COURSES;

- 1- SOUTH 89-59-08 WEST, ON THE SOUTH LINE OF SAID PARCEL, 1312.00 FT.
- 2- NORTH 07-19-33 EAST, 1704.65 FT. TO A POINT ON THE NORTH LINE OF SAID ABOVE REFERENCED PARCEL
- THE NEXT 6 COURSES SHALL ON THE BOUNDARY LINE OF SAID PARCEL BOOK 206 PAGE 507
- 3- CURVE RIGHT, CENTRAL ANGLE= 55-37-46, RADIUS=159.55 FT., LENGTH= 154.91 FT. CHORD BEARING= SOUTH 77-41-37 EAST
- 4- SOUTH 49-52-44 EAST, 868.01 FT.
- 5- CURVE RIGHT, CENTRAL ANGLE= 34-52-00, RADIUS= 288.45 FT., LENGTH= 193.79 FT.
- 6- SOUTH 15-00-44 EAST, 729.87 FT.
- 7- CURVE RIGHT, CENTRAL ANGLE= 22-30-08, RADIUS= 472.68 FT., LENGTH= 185.64 FT.
- 8- SOUTH 07-29-24 WEST, 65.00 FT., TO THE POINT OF BEGINNING CONTAINING 35.76 ACRES±

Permit  
# 169644

COMMENCE ANY LEGAL ACTION  
WITHIN THREE YEARS AFTER  
EVENT MAY ANY ACTION BE  
THE DATE OF THE SURVEYOR'S

RD EASEMENTS AND/OR RIGHTS  
SE OF THIS SURVEY.

M. IN BOOK  
PLATS/R.O.W. SURVEYS AT

PAR-  
RVEY IS  
BEST OF

01-14-94  
SEAL/DATE



Shy Surveyors & Assoc.

510 Main St. Westcliffe, Colorado  
Phone (719) 783-2347

02-81

45 01-13-1994  
CHE 170 1-14-94

# Young's Contract Drilling

1344 Elm Avenue  
Canon City, Colorado 81212  
(719) 275-5482

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MAY 19 '94

WATER RESOURCES  
STATE ENGINEER  
COLO

DATE 5-17-94

Division Of Water Resources  
1313 Sherman Street  
Denver, Co. 80203

ATTN: PERMIT TECHNICIAN.

Please accept this as authorization for NOLEN YOUNG to act in MY/OUR behalf to obtain Water Well Drilling permit on lot <sup>TRACT</sup> filing 29 Subdivision Bull-Domingo County of CLUSTER Colorado.

Contact NOLEN YOUNG at above address or phone number for additional information or correction.

Signed Diane Bell

Mark Bell