

FORM NO.
GWS-32
11/90

PUMP INSTALLATION AND TEST REPORT
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

For Office Use only

RECEIVED

JAN 06 '94

WATER RESOURCES
STATE ENGINEER
COLO.

1. WELL PERMIT NUMBER 173219

2. OWNER NAME(S) Mark Cowart 173219
Mailing Address 4085 Harbor Place
City, St. Zip CO SPRS CO. 80917
Phone (719) 574-8115

3. WELL LOCATION AS DRILLED: NW 1/4 SE 1/4, Sec. 27 Twp. 12 S, Range 65 W
DISTANCES FROM SEC. LINES:
2240 ft. from South Sec. line. and 1550 ft. from East Sec. line.
(north or south) (east or west)
SUBDIVISION: Indian Wells LOT 9 BLOCK 1 FILING(UNIT) 1
STREET ADDRESS AT WELL LOCATION: _____

4. PUMP DATA: Type Submersible Installation Completed 12-8-93
Pump Manufacturer Goeld Pump Model No. 7ET41210
Design GPM 7 at RPM 3400, HP 1, Volts 230, Full Load Amps 9.6
Pump Intake Depth 380 Feet, Drop/Column Pipe Size 1 Inches, Kind PVC

ADDITIONAL INFORMATION FOR PUMPS GREATER THAT 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	<u>400</u>	Date	<u>12-8-93</u>		
Static Level	<u>156</u>	Time	<u>2:20</u>		
Date Measured	<u>12-8-93</u>	Rate (GPM)	<u>7</u>		
		Pumping Lvl.	<u>380</u>		

7. DISINFECTION: Type H+H Amt. Used 602

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 KUNDA Drilling & EXL Phone (719) 683-3720 Lic. No. 1146
Mailing Address 23945 LUCKY LN CARHAN CO. 80909

Name/Title (Please type or print)

Signature

Date

TIM KUNDA owner

Tim Kunda

12-26-93

FORM NO.
GWS-31
11/90

WELL CONSTRUCTION AND TEST REPORT
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

For Office Use only

RECEIVED

JAN 06 '94

WATER RESOURCES
STATE ENGINEER
COLO.

1. WELL PERMIT NUMBER 1732A 173219

2. OWNER NAME(S) Mark Cowart
Mailing Address 4085 Harbor Place
City, St. Zip Co. Sags Co. 80917
Phone (719) 574-8115

3. WELL LOCATION AS DRILLED: NW 1/4 SE 1/4, Sec. 27 Twp. 12 S, Range 65 W
DISTANCES FROM SEC. LINES:
2240 ft. from South Sec. line. and 1550 ft. from East Sec. line. OR
(north or south) (east or west)
SUBDIVISION: Indian Wells LOT 9 BLOCK 1 FILING(UNIT) 1
STREET ADDRESS AT WELL LOCATION:

4. GROUND SURFACE ELEVATION _____ ft. DRILLING METHOD Air Rotary
DATE COMPLETED 12-8-93 TOTAL DEPTH 400 ft. DEPTH COMPLETED 400 ft.

5. GEOLOGIC LOG:

Depth	Description of Material (Type, Size, Color, Water Location)
0-1	TOPSOIL
1-2	SAND
2-176	SAND ROCK + CLAY
176-215	CLAY
215-265	SAND ROCK + CLAY
265-274	SAND ROCK WATER
274-346	SAND ROCK + CLAY
346-352	SAND ROCK WATER
352-359	CLAY
359-400	SAND ROCK WATER

6. HOLE DIAM. (in.)	From (ft)	To (ft)
<u>8</u>	<u>0</u>	<u>20</u>
<u>6 1/8</u>	<u>20</u>	<u>400</u>

7. PLAIN CASING

OD (in)	Kind	Wall Size	From(ft)	To(ft)
<u>6 5/8</u>	<u>Steel</u>	<u>188</u>	<u>+1</u>	<u>20</u>
<u>4 1/2</u>	<u>PVC</u>	<u>200 psi</u>	<u>15</u>	<u>200</u>

PERF. CASING: Screen Slot Size: <u>1/8" holes</u>	
<u>4 1/2</u> <u>PVC</u> <u>200 PSI</u>	<u>200</u> <u>400</u>

8. FILTER PACK:

Material Gravel
Size 1/4
Interval 20 - 180

9. PACKER PLACEMENT:

Type Rubber
Depth 200

10. GROUTING RECORD:

Material	Amount	Density	Interval	Placement
<u>Cement</u>	<u>#4 x legal</u>		<u>10-20</u>	<u>Poured</u>
<u>VolCLAY</u>	<u>1 Bucket</u>	<u>14"</u>	<u>180-200</u>	<u>Poured</u>

REMARKS:

11. DISINFECTION: Type H+H Amt. Used 602

12. WELL TEST DATA: ☐ Check box if Test Data is submitted on Supplemental Form.
TESTING METHOD Airlifted
Static Level 156 ft. Date/Time measured 12-8-93 Production Rate 7 gpm.
Pumping level 380 ft. Date/Time measured 12-8-93 Test length (hrs.) 4
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 Kurau Drilling & Exc Phone (719) 683-3720 Lic. No. 1148
Mailing Address 25945 Lucky Ln. Canon, Co. 80808

Name/Title (Please type or print) Tim Kurau - owner Signature Tim Kurau Date 12-26-93

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES

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

71

WELL PERMIT NUMBER **173219**

DIV. 2 CNTY. 21 WD 10 DES. BASIN MD

APPLICANT

Lot: 9 Block: 1 Filing: 1 Subdiv: INDIAN WELLS

APPROVED WELL LOCATION
EL PASO COUNTY

NW 1/4 SE 1/4 Section 27
Twp 12 S RANGE 65 W 6th P.M.

MARK COWART
4085 HARBOR PLACE
COLO SPRGS CO 80917

(719) 574-8115

DISTANCES FROM SECTION LINES

2240 Ft. from South Section Line
1550 Ft. from East 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)(I) and policy of the State Engineer under the following conditions.
- 4) The use of ground water from this well is limited to ordinary household purposes inside one single family dwelling, the watering of the user's noncommercial domestic animals, and the irrigation of not more than 43,560 square feet of home gardens and lawns, as recommended by the Division of Water Resources to the county commissioners.
- 5) Plain casing must be installed and properly sealed to a minimum depth of 200 feet to prevent diversion of water above this depth. The depth of the well shall not exceed 510 feet, which corresponds to the base of the Dawson aquifer.
- 6) The maximum pumping rate shall not exceed 15 GPM.
- 7) The annual amount of ground water to be withdrawn shall not exceed 1 acre-feet.
- 8) This well shall be constructed not more than 200 feet from the location specified on this permit.

Note: To insure a maximum productive life of this well, perforated casing should be set through the entire producing interval of the approved zone or aquifer indicated above. *9/24/93*

APPROVED
DWR

Hal D. Simpson
State Engineer

John Bradam
By

Receipt No. 0358586

DATE ISSUED **SEP 27 1993**

EXPIRATION DATE **SEP 27 1995**

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

PERMIT APPLICATION FORM

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

() A PERMIT TO USE GROUND WATER
 (X) A PERMIT TO CONSTRUCT A WELL
 FOR: (X) A PERMIT TO INSTALL A PUMP

() REPLACEMENT FOR NO. _____
 () OTHER _____
 WATER COURT CASE NO. _____

RECEIVED
 AUG 06 '93
 WATER RESOURCES
 STATE ENGINEER
 COLO.

CHEQUE

7230'

(1) APPLICANT - mailing address

NAME MARK COWART
 STREET 4085 HARBOR Place
 CITY COLO SPRINGS CO 80917
 (State) (Zip)
 TELEPHONE NO (719) 574-8115

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 358586 No 535 clm (TKD)
 Distances OK - Tdw wells
 Basin Plotted a Plat Dist. HU, Animals 1 AC 1 RR 1/2 OT

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. DB/K

- HU, domestic animals, 1/43,500 R 1rr
 - 1 AF/yr

(2) LOCATION OF PROPOSED WELL

County EL PASO
NW 1/4 of the SE 1/4, Section 27
 Twp. 12 S, Rng. 65 W, 6th P.M.
 (N,S) (E,W)

(3) WATER USE AND WELL DATA

Proposed maximum pumping rate (gpm) 15
 Average annual amount of ground water to be appropriated (acre-feet): 1
 Number of acres to be irrigated: 2500 Sq Feet
 Proposed total depth (feet): *400

Aquifer ground water is to be obtained from:

* DENVER

Owner's well designation 9910X9625 TOMA HAWK

GROUND WATER TO BE USED FOR:

TRAIL

() HOUSEHOLD USE ONLY - no irrigation (0)
 (X) DOMESTIC (1) () INDUSTRIAL (5)
 () LIVESTOCK (2) () IRRIGATION (6)
 () COMMERCIAL (4) () MUNICIPAL (8)
 () OTHER (9) _____

DETAIL THE USE ON BACK IN (11)

(4) DRILLER

Name HAMACHER Well Works
 Street P.O. Box 86
 City SIMLA, COLO. 80835
 (State) (Zip)
 Telephone No. 541-2460 Lic. No. 71

APPLICATION APPROVED

PERMIT NUMBER _____

DATE ISSUED _____

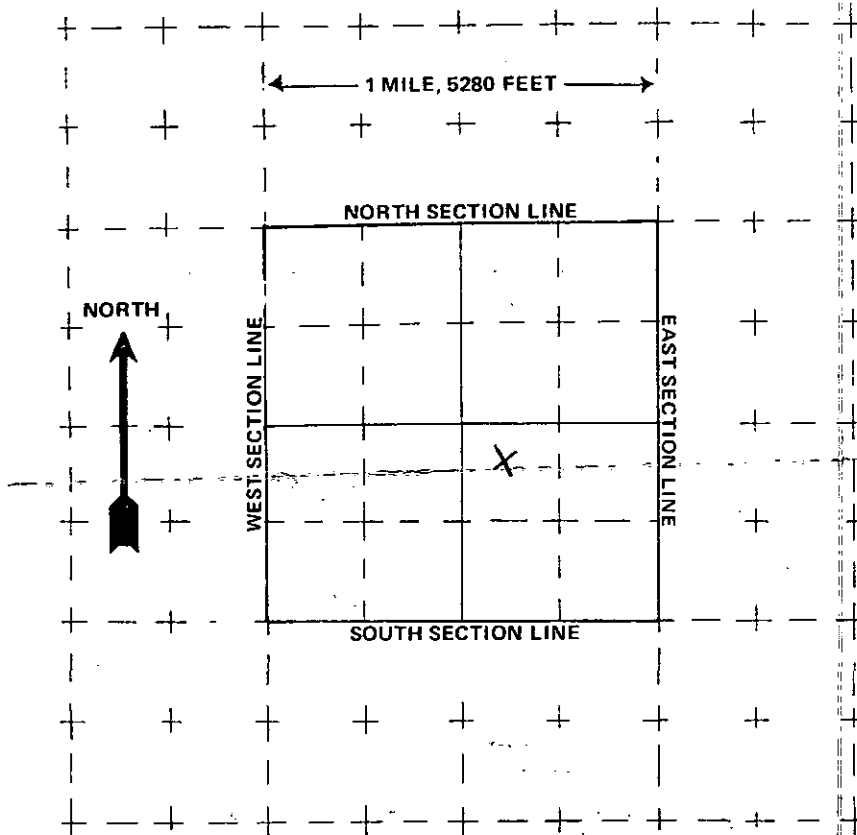
EXPIRATION DATE _____

(STATE ENGINEER)

BY _____

I.D. 2 COUNTY 21-10

(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.

2240 ft. from South (north or south) sec. line
1550 ft. from East (east or west) sec. line

LOT 9 BLOCK 1 FILING # 1

SUBDIVISION INDIAN WELLS

(7) TRACT ON WHICH WELL WILL BE LOCATED

Owner MARK COWART

No. of acres 5.36. Will this be the only well on this tract? yes

(8) PROPOSED CASING PROGRAM

Plain Casing

6 5/8 in. from 1+ ft. to 21 ft.
4 in. from 15 ft. to 300 ft.

Perforated casing

4 in. from 300 ft. to 400 ft.
in. from ft. to ft.

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

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

Owner(s): MARK COWART

No. of acres: 5.36

Legal description: NW 1/4 SE 1/4 Sect. 27-12-S-65-U 6th p.m.

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

Domestic
SEPTIC TANK + LEACH BED

(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.

Mark Cowart
SIGNATURE OF APPLICANT(S)
MARK COWART

EXEMPT WELL DATA SHEET - DENVER BASIN, COLORADO

APPLICANT: COWART RECEIPT NO. 358586
LOCATION: NW1/4 OF SE1/4 OF SEC. 27, T.12S., R.65W. (2240 SSL, 1550 ESL)

PROPOSED AQUIFER:
SURFACE ELEVATION: 7230 NUMBER OF ACRES IN TRACT: 5.36

IS PROPERTY WITHIN SERVICE BOUNDARIES OF MUNICIPALITY S.B.5 CONSENT MAPS? NO ☐ YES ☐
IF SUBDIVISION IS UNDER AUGMENTATION PLAN, CASE NO. IS _____, DIV. _____
IF SUBDIVISION WAS RECOMMENDED FOR APPROVAL BY THE WATER MANAGEMENT BRANCH, DATE OF LETTER IS _____
INFORMATION ON SUBDIVISION OR TRACT OF LAND/SPECIAL RESTRICTIONS:

evaluated by JSG on SEPTEMBER 23, 1993

200' min plan casing per casing maps

AQUIFER	ELEVATION		NET SAND	DEPTH TO		ANNUAL APPROP A-F	STATUS
	BOT.	TOP		BOT.	TOP		
UPPER <u>DAWSON</u>	6718	7137	210	<u>512</u>	<u>93</u>	2.240	NNT
LOWER DAWSON	---	---	---	---	---	---	---
DENVER	5795	6694	317	1435	536	2.879	NNT
UPPER ARAPAHOE	5267	5749	241	1963	1481	2.187	NT
LOWER ARAPAHOE	---	---	---	---	---	---	---
LARAMIE-FOX HILLS	4708	4990	189	2522	2240	1.512	NT

note: E indicates location is at aquifer boundary and values may be more approximate.
* indicates the proposed aquifer.

All values are interpolated from the S.B.5 data base assembled in November of 1986.

08-06-93 2:41 P
032472 60.00
XODS P0011
TTL 60.00
CHEQUE 60.00
CHG 0.00
ITM 1

CL-E 508586
WATER RESOURCES
DENVER 0000