

Permit Canceled	03/18/2008
Well Constructed	12/21/2007
Permit Issued	12/04/2007
Application Received	12/03/2007

Disclaimer

***The information contained on this page is a summary of the permit file and may not reflect all details of the well permit. THIS PAGE IS NOT THE ACTUAL PERMIT.**

This page should not be used as a basis for any legal consideration, to determine the allowed uses of the well, to determine construction information, or to determine the terms and conditions under which the well can operate. The complete well permit file should be viewed to obtain details on the allowed uses and other relevant information. A complete copy of this file is available in the "Imaged Documents" section of this page, and can be viewed by opening all of the documents listed under that section (documents will open as pdf files).

Note that all of the terms and conditions under which a well can operate, particularly for non-exempt wells, may not be specified on the well permit. Wells may also be subject to relevant statutes, rules and decrees. To learn more about well permitting in Colorado, please visit [DWR's Well Permitting Page](#). If you have any questions about this well permit file, please contact the [DWR Ground Water Information Desk](#).

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Form No. GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

LIC

WELL PERMIT NUMBER 276134
DIV. 8 WD 10 DES. BASIN 4 MD 12

APPLICANT

SANTA FE SPRINGS LLC
31 E PLATTE AVE # 200
COLORADO SPRINGS, CO 80903-

(719) 442-2376

APPROVED WELL LOCATION
EL PASO COUNTY
NW 1/4 NW 1/4 Section 10
Township 13 S Range 64 W Sixth P.M.

DISTANCES FROM SECTION LINES
1000 Ft. from North Section Line
230 Ft. from West Section Line

UTM COORDINATES (Meters, Zone: 13, NAD83)
Easting: Northing:

PERMIT TO CONSTRUCT A WELL (AMENDED)

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 this permit does not ensure 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 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 18.
3) Approved pursuant to CRS 37-90-105(1)(d). Use of this well is limited to monitoring water levels and/or water quality sampling.
4) This well must be equipped with a locking cap or seal to prevent well contamination or possible hazards as an open well. The well must be kept capped and locked at all times except during sampling or measuring.
5) Production is limited to the Arapahoe aquifer which is located 920 feet below land surface and extends to a depth of 1410 feet. Plain casing must be installed and grouted to prevent the withdrawal of ground water from other aquifers and the movement of ground water between aquifers.
6) Records of any water level measurements and water quality analyses shall be maintained by the well owner and submitted to the Upper Black Squirrel Creek Ground Water Management District and the Division of Water Resources upon request.
7) Upon conclusion of the monitoring program the well owner shall plug this well in accordance with Rule 16 of the Water Well Construction Rules. A Well Abandonment Report must be completed and submitted to the Division of Water Resources within 60 days of plugging.
8) The owner shall mark the well in a conspicuous place with the well permit number and name of aquifer as appropriate, and shall take necessary means and precautions to preserve these markings.
9) This well shall be constructed within 300 feet of the location specified on this permit.
10) This well must have been constructed by or under the supervision of a licensed well driller or other authorized individual according to the Water Well Construction Rules.
11) A Well Construction and Test Report (Form GWS-31), including lithologic log must be submitted by the individual authorized to construct the well. For non-standard construction, the report must include an as-built drawing showing details such as depth, casing, perforated zones, and a description of the grouting type and interval.
12) If this well is to be converted to a production well, then the entire length of the hole shall be geophysically logged as required by Rule 9 of the Statewide Nontributary Ground Water Rules and approval of the production interval must be obtained from the State Engineer's Office prior to installing casing.

Note: The Depth Interval approved for the Arapahoe aquifer was modified based on site-specific information. MPS 12/17/2007

NOTE: Permit Condition of Approval No. 12 has been waived pursuant to Rule 9A of the Statewide Non-Tributary Ground Water Rules. MPS 01/23/2008

APPROVED
SMJ

State Engineer

DATE ISSUED 12-04-2007

By

EXPIRATION DATE 12-04-2009

Receipt No. 3623714B

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JAN 16 2008

RESOURCES
ENGINEER

FORM NO. GWS-31 04/2005
WELL CONSTRUCTION AND TEST REPORT
 STATE OF COLORADO, OFFICE OF THE STATE ENGINEER
 1313 Sherman St., Room 818, Denver, CO 80203
 Phone - Info (303) 868-3587 Main (303) 868-3581
 Fax (303) 868-3589 <http://www.water.state.co.us>

1. WELL PERMIT NUMBER: 276134
 2. WELL OWNER INFORMATION
 NAME OF WELL OWNER: Santa Fe Springs LLC
 MAILING ADDRESS: 31 E Platte Ave #200
 CITY: Colorado Springs STATE: CO ZIP CODE: 80903
 TELEPHONE NUMBER: (719) 442-2376

3. WELL LOCATION AS DRILLED: NW1/4, NW1/4, Sec. 10, Twp. 13 N or S, Range 64 E or W
 DISTANCES FROM SEC. LINES: 1000 ft. from N or S section line and 230 ft. from E or W section line
 SUBDIVISION: _____, LOT _____, BLOCK _____, FILING (UNIT) _____
 Optional GPS Location: GPS Unit must use the following settings: Format must be UTM, Units must be meters, Datum must be NAD83, Unit must be set to true N, Zone 12 or Zone 13
 Owner's Well Designation: _____
 Easting: _____
 Northing: _____

4. GROUND SURFACE ELEVATION 6772 feet DRILLING METHOD mud rotary
 DATE COMPLETED 12-21-07 TOTAL DEPTH 1390 feet DEPTH COMPLETED 1380 feet

5. GEOLOGIC LOG:

Depth	Type	Grain Size	Color	Water Loc.
0-60	sand	coarse		
60-100	sand	blue shale	clay	
100-140	blue gray shale	w/silty sand		
140-150	clay	sand		
150-200	clay w/sand	stringers		
200-280	clay and shale	w/sand		
280-400	sand	white w/gray	trace coal stringers	
400-500	clay, sand	white-tan	w trace coal stringers	
500-600	clay, grading to silty	sand, trace coal stringers		
600-700	clay	sticky w/ sand	+ silt stringers	
700-800	clay	soft w/ sand	stringers	
800-900	clay	soft, sticky	w/ sand stringers, coal	
900-960	clay	+ sand	within coal seams	
960-1000	sand	tan coarse	w/ shaley clay	
1000-1100	sand	w/ dark gray	clay, mushy	
1100-1200	sand	white, silty	w/ soft clay	
1200-1300	clay	shaley, mushy	w/ sand tan-white	
1300-1390	clay	w/ stringers	silty sand	

6. HOLE DIAM (in.)

From (ft)	To (ft)
0	137
137	1390

7. PLAIN CASING:

OD (in)	Kind	Wall Size (in)	From (ft)	To (ft)
13 3/8	Steel	.330	0	137
8 5/8	Steel	.264	+1	938

PERFORATED CASING: Screen Slot Size (in): .060

From (ft)	To (ft)
938	1380

8. FILTER PACK:

Material	Size	Interval

9. PACKER PLACEMENT:

Type	Depth
<u>cement basket</u>	<u>938</u>

10. GROUTING RECORD

Material	Amount	Density	Interval	Placement
<u>Cement</u>	<u>105 sacks</u>	<u>7 gal</u>	<u>0-137</u>	<u>pumped</u>
<u>cement</u>	<u>50 sacks</u>	<u>7 gal</u>	<u>775-938</u>	<u>pumped</u>

Remarks: centralizers installed every 84'
(See attached for more info)

11. DISINFECTION: Type Sodium Hypochlorite Amt. Used (2) 55 gal drums (10%)
 12. WELL TEST DATA: Check box if Test Data is submitted on Form Number GWS 39 Supplemental Well Test.

TESTING METHOD
 Static Level 660 ft. Date/Time measured: 12-21-07 Production Rate 150 gpm.
 Pumping Level 1094 ft. Date/Time measured _____ Test Length (hrs) 12 hrs.
 Remarks: _____

13. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed and certified in accordance with Rule 17.4 of the Water Well Construction Rules, 2 CCR 402-2. [The filing of a document that contains false statements is a violation of section 37-91-108(1)(e), C.R.S., and is punishable by fines up to \$5000 and/or revocation of the contracting license.]

Company Name: Kunau Drilling LLC Phone: (719) 683-3720 License Number: 1148
 Mailing Address: 23945 Lucky Lane Calhan CO 80808
 Signature: [Signature] Print Name and Title: Tim Kunau, manager Date: 1-15-08

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JAN 16 2008

WATER RESOURCES
STATE ENGINEER
COLO.

Formation	Depth	Interval	Permit No 276134 / Sample Descriptions
		0-135	SS cong-ark ltyel-wh sbang-sbrd psrt w/ntbd SH
	137		Surface Casing
		137-200	SH gy hd firm w/cong SS tan-wh
Denver-Top	276	200-400	SS gy-wh vf-mg uncon mica w/SH gy-gn sft biky clystn sticky, coal strgs
		400-650	SS wh-tan f-vfg uncon-fn cly mtrx mica w/tr coal strgs & SH strgs gy-tan clystn
		650-750	SS aa wh-tan mgw/ncr SH clystn gy sft mushy sity w/ntbd silst strgs
		750-890	SH aa decr w/SS clr-rgy f-vfg uncon sbang Clystn strgs
Denver-Base	886		
		890-950	SH aa clystn sft sity w/SS aa m-og sity w/ thin coal seams
Arapahoe-Top	940		
		950-1100	SS wh-tan f-vfg uncon felds cly sbang w/clystn & SH m-dkgy sft arg, coal seams
		1100-1300	SS vfg-mg uncon sbang felds w/ntst aa & dkgy clystn mushy-sft
		1300-1390	SH gy-brn biky sity w/clystn sticky mgy w/SS tan-wh vf-og shly vally w/ntbd silst strgs
Arapahoe-Base	1398		
Total Depth	1390		

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WATER RESOURCES
STATE ENGINEER
COLO.

Formation	Depth	Interval	Permit No. 276134 / Sample Description
		0-60	sand coarse grained
		60-100	sand w/blue shale, clay
		100-140	blue-gray shale w/silty sand
	137		Surface Casing
		140-150	clay sand
		150-200	clay w/sand stringers
		200-280	clay and shale w/sand
Denver-Top	276		
		280-400	sand white w/clay; trace coal strgs
		400-500	clay and sand white-tan w/trace coal strgs
		500-600	clay grading to silty sand and tr coal strgs
		600-700	clay sticky w/sand and silt stringers
		700-800	clay soft w/sand stringers
		800-900	clay soft sticky w/sand stringers & trace coal
Denver-Base	886		
		900-960	clay and sand w/ thin coal seams
Arapahoe-Top	966		
		960-1000	sand tan coarse w/shaley clay
		1000-1100	sand w/dark gray clay mushy
		1100-1200	sand white silty w/ soft clay
		1200-1300	clay shaleyand mushy w/sand tan-white
		1300-1390	clay w/stringers silty sand
Arapahoe-Base	1394		
Total Depth	1390		



DEPARTMENT OF NATURAL RESOURCES

DIVISION OF WATER RESOURCES

Bill Ritter, Jr.
Governor

Harris D. Sherman
Executive Director

Dick Wolfe, P.E.
Director

December 20, 2007

Santa Fe Springs, LLC
31 East Platte Ave., Suite 200
Colorado Springs, Colorado 80903

Re: Request for Waiver of Geophysical Logging Requirement, Permit No. 276134

On December 19, 2007 your consultant, Robert Say emailed a request to waive the geophysical logging requirement attached to Well Permit 276134.

The proposed location for Permit No. 276134 is located within 1,320 feet of an existing well constructed under Permit No. 276133, for which an acceptable geophysical log is available.

Pursuant to Rule 9A of the Statewide Nontributary Ground Water Rules the geophysical logging requirement attached to permit No. 276134 (Condition of Approval 12) can be waived.

This waiver does not abrogate the well owner's or well construction contractor's responsibility to fulfill all requirements of any applicable court decree.

The original permit file is currently unavailable to amend the permit conditions and waive the geophysical logging requirement on the permit. This letter will serve as your authorization to forego geophysically logging the well to be constructed under permit No. 276134. When the conditions are amended on the permit, I will forward a copy to you.

Please feel free to contact me if you have any questions or require additional information.

Sincerely,

Michael P Schaub
Geologist, Geotechnical Services Branch
Colorado Division of Water Resources

Attachment

cc: Permit File
Robert Say

Office of the State Engineer

1313 Sherman Street, Suite 818 • Denver, CO 80203 • Phone: 303-866-3581 • Fax: 303-866-3589
www.water.state.co.us

Schaubs, Michael

1000N 250W
1000N 230

From: Robert Say [sayrbt@msn.com]
Sent: Thursday, December 20, 2007 9:52 PM
To: Schaubs, Michael
Subject: Request for Waiver of Geophysical Logging Requirement, Permit No. 276134

December 19, 2007

Division of Water Resources
Office of the State Engineer
1313 Sherman St., Ste.818
Denver, CO 80203
303-866-8589

Re: Request for Waiver of Geophysical Logging Requirement, Permit No. 276134
Santa Fe Springs, LLC
31 East Platte Ave., Ste.200
Colorado Springs, CO 80903
719-314-0181

Michael Schaubs:

Santa Fe Springs, LLC requests a waiver of the geophysical logging requirement as outlined in Rule 9A of the Statewide Nontributary Ground Water Rules for Permit No. 276134 [1000'FNL 230'FWL NW NW Sec.10-T13S-R64W, El Paso Co., CO]. Well Permit No. 276134 was spudded on 12/18/07 and should reach a total depth of 1390' on 12/21/07. Santa Fe Springs, LLC drilled the Well Permit No. 276133 [1000'FNL 250'FWL NW NW Sec.10-T13S-R64W, El Paso Co., CO] to total depth of 2036'. The Well Permit No. 276133 was logged by Phoenix Survey, Inc., Brighton, CO on 12/11/07 and both electronic and hard copy versions have been submitted to the Division of Water Resources. Well Permit No.276134 is within the required 1320' of the previously logged Well Permit No. 276133 [20' to the west of Well Permit No. 276133] as per Rule 9A.

If you need further information please contact me by email, or at 720-273-0155.

Sincerely,

Robert Say
Consulting Geologist
Santa Fe Springs, LLC

12/20/2007

SB5OUT1

Santa Fe Springs
3623714B

LOCATION: NW1/4 OF NW1/4 OF SEC. 10, T.13S., R.64W. (1000 NSL, 230 WSL)
LOCATION IS WITHIN THE UPPER BLACK SQUIRREL DESIGNATED GROUND WATER BASIN

Ground Elevation: 6770

Number of Acres: 1

AQUIFER	ELEVATION		NET SAND	DEPTH TO		ANNUAL APPROP A-F	STATUS
	BOT.	TOP		BOT.	TOP		
UPPER DAWSON	----	----	----	----	----	----	---
LOWER DAWSON	----	----	----	----	----	----	---
DENVER	5872	6687	197.7	898	83	0.34	NNT
UPPER ARAPAHOE	5362	5850	217.9	1408	920	0.37	NT
LOWER ARAPAHOE	----	----	----	----	----	----	---
LARAMIE-FOX HILLS	4747	5033	217.7	2023	1737	0.33	NT

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

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DEC 03 2007

WATER RESOURCES
STATE ENGINEER
6018

PLW Inc
31 E. Platte Ave. Suite 200
Colorado Springs, CO 80903
Ph. (719) 442-2376 / Fax (719) 314-0184

November 29, 2007

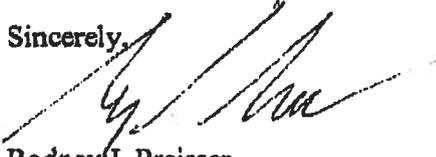
To Whom It May Concern:

This letter serves as formal notification that Dr. Purshottam Dass has full legal authorization to sign and amend water related applications made to the State of Colorado on behalf of PLW Inc. or Ellicott Springs, LLC or Santa Fe Springs, LLC or Triple Bar Ranch, LLC or Rodney J. Preisser.

All of the above entities are owned by Mr. Rodney Preisser and Dr. Dass is hereby authorized to sign and amend applications as an agent for all of the above.

If you have any further questions on this matter, please contact me at my office phone: (719) 442-2376 or on my cell phone at: (719) 339-9111.

Sincerely,



Rodney J. Preisser
Manager / Owner

GEOTECHNICAL SERVICES BRANCH

HYDROGEOLOGICAL REPORT & RECOMMENDATIONS

Applicant: _____ Permit No./Receipt No.: 276134

Location: _____ County: Z1 Prio.

Date Received by DWR: _____

Date Received by Geotech. Branch: _____

Aquifer to be Utilized: _____

Remarks: _____

	Elevation	Depth
Denver Top	6566	209
Base	5889	Base of Alluvium
		876 881

Arapahoe Top	58283	947
Base	5393	1,377

Reference geophysical logs for 64018-f, 48745-f, 62535-f.

Completion Recommendations: _____

Data Sources: _____

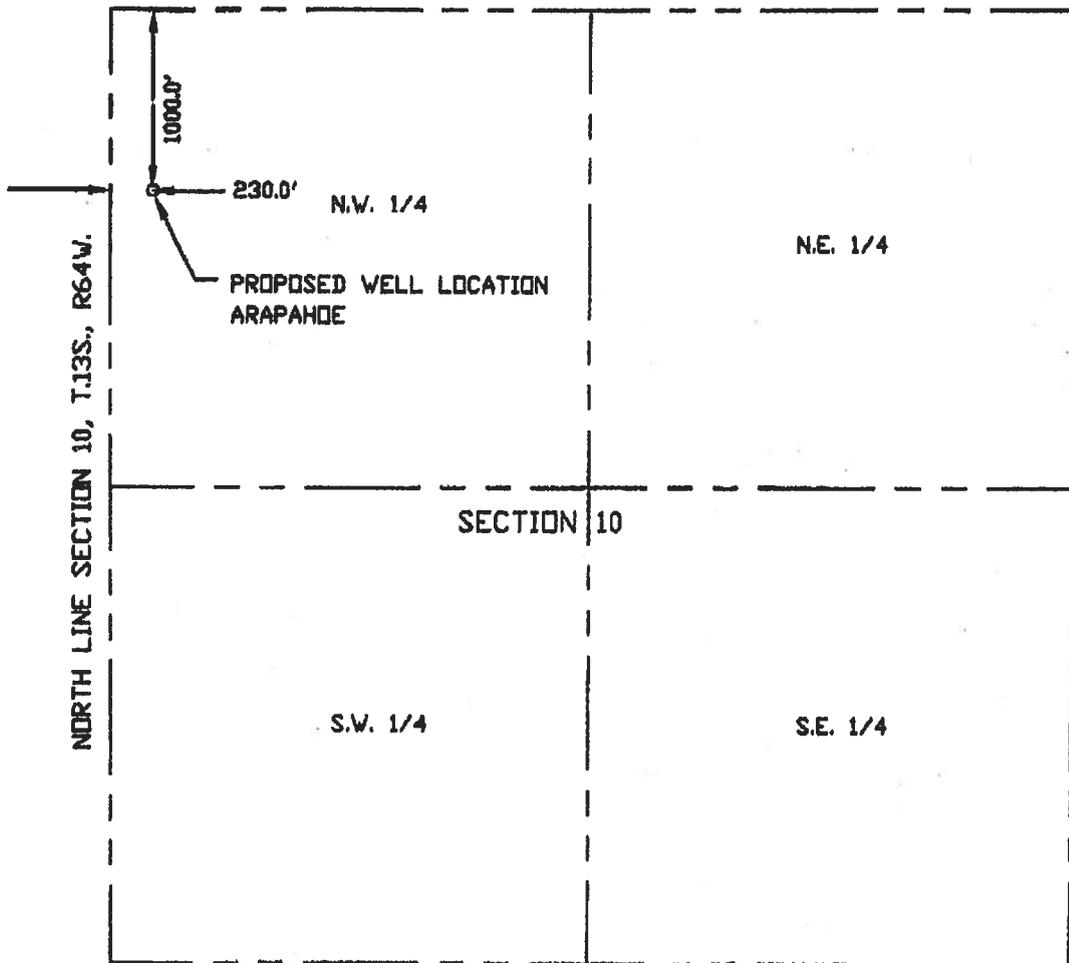
Investigator: [Signature] Report Date: 12/5/2007

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DEC 03 2007

WATER RESOURCES
STATE ENGINEER
BOLG.

NORTH LINE SECTION 10, T.13S., R.64W.



SCALE 1"=1000'



4575 GALLEY ROAD SUITE 200
COLORADO SPRINGS COLORADO
(719) 597-8900 80915

07-1102 11-30-07 JLK

COLORADO DIVISION OF WATER RESOURCES
DEPARTMENT OF NATURAL RESOURCES
 1313 SHERMAN ST., RM 818, DENVER CO 80203
 phone - info: (303) 868-3587 main: (303) 866-3581
 Fax: (303) 866-3589 http://www.water.state.co.us

Office Use Only
 Form GWS-46 (06/2006)
RECEIVED
 DEC 03 2007
 WATER RESOURCES
 STATE ENGINEER
 COLO

MONITORING/OBSERVATION
Water Well Permit Application
 Review instructions on reverse side prior to completing form.
 The form must be completed in black or blue ink or typed.

1. Well Owner Information
 Name of well owner
 Santa Fe Springs, LLC
 Mailing address
 31 E. PLATTE AVE. # 200
 City Colorado Springs CO Zip code 80903
 Telephone # () 719-442-2376 E-Mail (Optional)

6. Use Of Well
 Use of this well is limited to monitoring water levels and/or water quality sampling

2. Type Of Application (check applicable boxes)
 Use existing well
 Construct new well
 Other:
 Replacement for existing monitoring well: Permit no.:

7. Well Data (proposed)
 Total depth ± 1400 feet (up to bottom)
 Aquifer Arapahoe

3. Refer To (if applicable)
 Monitoring hole acknowledgment MH- Well name or #

8. Consultant Information (if applicable)
 Name of contact person
 Purushottam Dass

4. Location Of Proposed Well
 County EL PASO NW 1/4 of the NW 1/4
 Section 10 Township 13 N or S Range 64 E or W Principal Meridian 6th PM
 Distance of well from section lines (section lines are typically not property lines)
 1000 Ft. from N S 230 Ft. from E W

Company name PLW, Inc.
 Mailing address 31 E. PLATTE AVE # 200
 City Colorado Spngs. CO Zip Code 80903
 Telephone # () 303-699-6502

For replacement wells only - distance and direction from old well to new well
 feet direction
 Well location address (Include City, State, Zip) Check if well address is same as item 1.

9. Proposed Well Driller License #(optional):
10. Signature Of Well Owner, Consultant Or Authorized Agent

Optional: GPS well location information in UTM format
 You must check GPS unit for required settings as follows:
 Format must be UTM
 Zone 12 or Zone 13
 Units must be Meters
 Datum must be NAD83
 Unit must be set to true north
 Was GPS unit checked for above? YES Remember to set Datum to NAD83

The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge.
 Sign here (Must be original signature) Date 11.30.07
 Print name & title
 PURUSHOTTAM DASS, agent.

5. Property Owner Information
 Name of property owner
 Cheuk Kwan
 Mailing address
 3004 Cottonwood Ct.
 City Fullerton CA Zip Code 92835
 Telephone # ()

Office Use Only
 USGS map name DWR map no 62A Surface elev. 6770
 Receipt area only
 Trans Number: 3623714 B
 12/3/2007 11:30:34 AM
 James Martin (19)
 Total Trans Amt: \$200.00
 CREDIT CARD
 Tender Amount: \$200.00
 DIV 8 WD 10 BA 4 MD 12

Form No. GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

*Arapahoe
Discharge*

1148

WELL PERMIT NUMBER 66937 -F-
DIV. 8 WD 10 DES. BASIN 4 MD 12

APPLICANT

SANTA FE SPRINGS LLC
31 E PLATTE AVE # 200
COLORADO SPRINGS, CO 80903-

(719) 442-2376

APPROVED WELL LOCATION

EL PASO COUNTY
NW 1/4 NW 1/4 Section 10
Township 13 S Range 64 W Sixth P.M.

DISTANCES FROM SECTION LINES

1000 Ft. from North Section Line
230 Ft. from West Section Line

UTM COORDINATES (Meters, Zone: 13, NAD83)

Easting: Northing:

PERMIT TO USE AN EXISTING WELL

CONDITIONS OF APPROVAL

Page 1 of 2

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure 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 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 18.
- 3) Approved pursuant to CRS 37-90-107(7) for use of an existing well (constructed under permit no. 276134) and the Findings and Order of the Colorado Ground Water Commission dated March 3, 2004, for Determination of Water Right No. 458-BD.
- 4) The pumping rate of this well shall not exceed 1000 GPM.
- 5) The annual withdrawal of ground water from this well shall not exceed 1600 acre-feet, subject to the total annual withdrawal limitations and conditions as specified by the above referenced Order of the Commission.
- 6) The use of ground water from this well is limited to domestic use, irrigation, commercial, industrial, recreation and livestock purposes. The place of use shall be limited to the 6955.31 acre land area claimed in the above described Order of the Commission.
- 7) This well must be constructed to withdraw water from only the Arapahoe aquifer. The top of the Arapahoe aquifer is located approximately 920 feet below the ground surface. The bottom of the Arapahoe aquifer is located approximately 1410 feet below the ground surface. Plain casing must be installed and grouted to prevent the diversion of water from other aquifers and the movement of water between aquifers.
- 8) The owner shall mark the well in a conspicuous place with the well permit number and name of aquifer as appropriate, and shall take necessary means and precautions to preserve these markings.
- 9) This well shall be constructed within 200 feet of the location specified on this permit. This well shall not be located within 600 feet of another large-capacity well completed in the Arapahoe aquifer.
- 10) The entire length of the hole shall be geophysically logged as required by Rule 9 of the Statewide Nontributary Ground Water Rules prior to installing casing.
- 11) A totalizing flow meter or Commission approved measuring device must be installed on this well and maintained in good working order. Permanent records of all diversions must be maintained by the well owner (collected at least annually) and submitted to the Upper Black Squirrel Creek Ground Water Management District and the Ground Water Commission upon request.
- 12) No more than 98% of the ground water withdrawn annually shall be consumed. The Commission may require well owners to demonstrate periodically that no more than 98% of the water withdrawn is being consumed.

APPROVED
SMJ

Dirk Wolfe
State Engineer

Keith Vander Horst
By

Receipt No. 3625367B

DATE ISSUED 03-18-2008

EXPIRATION DATE 03-18-2009

CONDITIONS OF APPROVAL

13) Issuance of this permit cancels permit no. 276134.

14) NOTE: The geophysical log submitted with permit no. 276133 may be used to satisfy the geophysical logging requirement of this permit.

NOTE: The ability of this well to withdraw its authorized amount of water from this non-renewable aquifer may be less than the 100 years upon which the amount of water in the aquifer is allocated, due to anticipated water level declines.

NOTE: This well is located within a Ground Water Management District where local District Rules may apply to the withdrawal of designated ground water currently authorized under this permit.

For Office Use Only

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JAN 16 2008

1. WELL PERMIT NUMBER: 296137-06931-F
 2. WELL OWNER INFORMATION
 NAME OF WELL OWNER: Santa Fe Springs LLC
 MAILING ADDRESS: 31 E Platte Ave #200
 CITY: Colorado Springs STATE: CO ZIP CODE: 80903
 TELEPHONE NUMBER: (719) 442-2374

3. WELL LOCATION AS DRILLED: NW1/4, NW1/4, Sec. 10, Twp. 13 N or S, Range 64 E or W
 DISTANCES FROM SEC. LINES: 1000 ft. from N or S section line and 230 ft. from E or W section line
 SUBDIVISION: _____, LOT _____, BLOCK _____, FILING (UNIT) _____
 Optional GPS Location: GPS Unit must use the following settings: Format must be UTM, Units must be meters, Datum must be NAD83, Unit must be set to true N, Zone 12 or Zone 13
 STREET ADDRESS AT WELL LOCATION: _____ Northing: _____
 Owner's Well Designation: _____
 Easting: _____

4. GROUND SURFACE ELEVATION 6772 feet DRILLING METHOD mud rotary
 DATE COMPLETED 12-21-07 TOTAL DEPTH 1390 feet DEPTH COMPLETED 1380 feet

5. GEOLOGIC LOG:

Depth	Type	Grain Size	Color	Water Loc.
0-60	sand	coarse		
60-100	sand	blue shale	clay	
100-140	blue gray shale	w/silty sand		
140-150	clay	sand		
150-200	clay w/sand	stringers		
200-280	clay	ant shale w/sand		
280-400	sand	white w/clay	trace coal strgs	
400-500	clay, sand	white-tan	w trace coal strgs	
500-600	clay, grading to silty	sand, trace coal strgs		
600-700	clay	sticky w/sand + silt	stringers	
700-800	clay	soft w/sand	stringers	
800-900	clay	soft, sticky w/sand	stringers, coal	
900-960	clay + sand	w/thin coal seams		
960-1000	sand	tan coarse w/shaley	clay	
1000-1100	sand	w/dark gray clay	mushy	
1100-1200	sand	white, silty w/soft	clay	
1200-1300	clay	shaley, mushy w/sand	tan-white	
1300-1390	clay	w/stringers	silty sand	

6. HOLE DIAM (in.)

From (ft)	To (ft)
0	137
137	1390

7. PLAIN CASING:

OD (in)	Kind	Wall Size (in)	From (ft)	To (ft)
13 3/8	Steel	.330	0	137
8 5/8	Steel	.264	+1	938

PERFORATED CASING: Screen Slot Size (in): .060

Screen Slot Size (in)	From (ft)	To (ft)
.060	938	1380

8. FILTER PACK:

Material	Type	Depth
	<u>cement basket</u>	<u>938</u>

9. PACKER PLACEMENT:

10. GROUTING RECORD

Material	Amount	Density	Interval	Placement
<u>cement</u>	<u>105 sacks</u>	<u>7 gal</u>	<u>0-137</u>	<u>pumped</u>
<u>cement</u>	<u>50 sacks</u>	<u>7 gal</u>	<u>775-938</u>	<u>pumped</u>

Remarks: centralizers installed every 84'
(See attached for more info)

11. DISINFECTION: Type Sodium Hypochlorite Amt. Used (2) 55 gal drums (10%)
 12. WELL TEST DATA: Check box if Test Data submitted on Form Number GWS 39- Supplemental/Well Test.

TESTING METHOD
 Static Level 660 ft. Date/Time measured: 12-21-07 Production Rate 150 gpm.
 Pumping Level 1094 ft. Date/Time measured _____ Test Length (hrs) 12 hrs.
 Remarks: _____

13. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed and certified in accordance with Rule 17.4 of the Water Well Construction Rules, 2 CCR 402-2. [The filing of a document that contains false statements is a violation of section 37-91-108(1)(e), C.R.S., and is punishable by fines up to \$5000 and/or revocation of the contracting license.]

Company Name: Kunau Drilling LLC Phone: (719) 683-3720 License Number: 1148

Mailing Address: 23945 Lucky Lane Calhan CO 80808

Signature: [Signature] Print Name and Title: Tim Kunau, manager Date: 1-15-08

66937-F

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WATER RESOURCES
STATE ENGINEER
SOLO.

Formation	Depth	Interval	Permit No 276134 / Sample Descriptions
		0-135	SS cong-ark tyel-wh sbang-sbrd part w/lnbd SH
	137		Surface Casang
		137-200	SH gy hd firm w/cong SS tan-wh
Denver-Top	276	200-400	SS gy-wh vl-mg uncon mica w/SH gy-gn sft bily clystn sticky; coal strgs
		400-650	SS wh-tan l-vfg uncon-fn cly mtrx mica w/tr coal strgs & SH strgs gy-tan clystn
		650-750	SS aa wh-tan mgwlnr SH clystn gy sft mushy sity w/lnbd slst strgs
		750-886	SH aa decr w/SS cr-ftgy l-vfg uncon sbang clystn strgs
Denver-Base	886		
		886-950	SH aa clystn sft sity w/SS aa m-cg sity w/ thin coal seams
Arapahoe-Top	940		
		950-1100	SS wh-tan l-vfg uncon felds cly sbang w/clystn & SH m-dggy sft arg; coal seams
		1100-1300	SS vfg-mg uncon sbang felds w/slt aa & d'ggy clystn mushy-sft
		1300-1390	SH gy-brn bily sity w/clystn sticky mgy w/SS tan-wh vl-og shly vally w/lnbd slst strgs
Arapahoe-Base	1390		
Total Depth	1390		

66937-F

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JAN 16 200

WATER RESOURCES
STATE ENGINEERS
CCLO.

Formation	Depth	Interval	Permit No. 276134 / Sample Description
		0-60	sand coarse grained
		60-100	sand w/blue shale, clay
		100-140	blue-gray shale w/silty sand
	137		Surface Casing
		140-150	clay sand
		150-200	clay w/sand stringers
		200-280	clay and shale w/sand
Denver-Top	276		
		280-400	sand white w/clay; trace coal strgs
		400-500	clay and sand white-tan w/trace coal strgs
		500-600	clay grading to silty sand and tr coal strgs
		600-700	clay sticky w/sand and silt stringers
		700-800	clay soft w/sand stringers
		800-900	clay soft sticky w/sand stringers & trace coal
Denver-Base	886		
		900-960	clay and sand w/ thin coal seams
Arapahoe-Top	966		
		960-1000	sand tan coarse w/shaley clay
		1000-1100	sand w/dark gray clay mushy
		1100-1200	sand white silty w/ soft clay
		1200-1300	clay shaleyand mushy w/sand tan-white
		1300-1390	clay w/stringers silty sand
Arapahoe-Base	1394		
Total Depth	1390		

COLORADO DIVISION OF WATER RESOURCES
DEPARTMENT OF NATURAL RESOURCES
 1313 SHERMAN ST, RM 818, DENVER, CO 80203
 phone - info: (303) 866-3587 main: (303) 866-3581 fax: (303) 866-3589
 http://www.water.state.co.us

Office Use Only

Form GWS-45 (06/2008)

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JAN 28 2008

WATER RESOURCES
 STATE ENGINEER
 COLO.

GENERAL PURPOSE

Water Well Permit Application

Review Instructions on reverse side prior to completing form.
 The form must be completed in black or blue ink or typed.

1. Applicant Information

Name of applicant

Santa Fe Springs, LLC

Mailing address

31 E. PLATTE AVE. # 200

City

Colo. Springs

State

CO

Zip code

80903

Telephone #

(719.442.2376

E-mail (Optional)

-

2. Type Of Application (check applicable boxes)

- Construct new well
 Replace existing well
 Change source (aquifer)
 Other:
 Use existing well
 Change or increase use
 Reapplication (expired permit)

3. Refer To (if applicable)

Well permit #

276134

Water Court case #

Designated Basin Determination #

458-BD

Well name or #

4. Location Of Proposed Well

County

EL PASO

NW 1/4 of the NW 1/4

Section

10

Township

13

N or S

Range

64

E or W

Principal Meridian

6th

Distance of well from section lines (section lines are typically not property lines)

1000

Fl. from N S

230

Fl. from E W

Well location address (include City, State, Zip)

Check if well address is same as in item 1.

Optional: GPS well location information in UTM format You must check GPS unit for required settings as follows:

Format must be UTM

Zone 12 or Zone 13

Units must be Meters

Datum must be NAD83

Unit must be set to true north

Was GPS unit checked for above? YES

Remember to set Datum to NAD83

5. Parcel On Which Well Will Be Located

(PLEASE ATTACH A CURRENT DEED FOR THE SUBJECT PARCEL)

A. Legal Description (may be provided as an attachment):

B. # of acres in parcel

C. Owner

Cheuk Kwan

D. Will this be the only well on this parcel? YES NO (if no - list other wells)

E. State Parcel ID# (optional):

-

6. Use Of Well (check applicable boxes)

Attach a detailed description of uses applied for.

- Industrial Other (describe):
 Municipal AS per 458-BD
 Irrigation
 Commercial

7. Well Data (proposed)

Maximum pumping rate

1000 gpm

Annual amount to be withdrawn

1600 acre-feet

Total depth

See Log

Aquifer

± 1400 feet

Arapahoe

8. Land On Which Ground Water Will Be Used

Legal Description (may be provided as an attachment):

As per 458-BD

(If used for crop irrigation, attach a scaled map that shows irrigated area.)

A. # Acres

6955.31

B. Owner

C. List any other wells or water rights used on this land:

9. Proposed Well Driller License #(optional):

10. Signature Of Applicant(s) Or Authorized Agent

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

Sign here (Must be original signature)

Date

Purushottam Dass

1.14.08

Print name & title

PURUSHOTTAM DASS, AGENT

Office Use Only

USGS map name

DWR map no.

Surface elev.

6770

TO DIST.

2/12/08

Receipt area only

600 ft sp OK

2720acft

geo log
 9850
 meter

Trans Number: 3625367 B

1/28/2008 2:25:49 PM

Geoff Davis (21)

Total Trans Amt: \$200.00

CHECK

Check Number: 2304

Check Amount: \$200.00

WE

WR

CWCB

TOPO

MYLAR

SBS

Domestic, irrigation,
 Commercial, industrial,
 Recreation + stock

DIV 8 WD 10 BA 4 MD 12

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WATER RESOURCES
STATE ENGINEER
COLO.

PLW Inc
31 E. Platte Ave. Suite 200
Colorado Springs, CO 80903
Ph. (719) 442-2376 / Fax (719) 314-0184

November 29, 2007

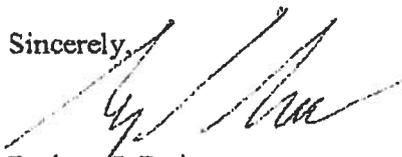
To Whom It May Concern:

This letter serves as formal notification that Dr. Purshottam Dass has full legal authorization to sign and amend water related applications made to the State of Colorado on behalf of PLW Inc. or Ellicott Springs, LLC or Santa Fe Springs, LLC or Triple Bar Ranch, LLC or Rodney J. Preisser.

All of the above entities are owned by Mr. Rodney Preisser and Dr. Dass is hereby authorized to sign and amend applications as an agent for all of the above.

If you have any further questions on this matter, please contact me at my office phone: (719) 442-2376 or on my cell phone at: (719) 339-9111.

Sincerely,



Rodney J. Preisser
Manager / Owner

Purushottam Dass
31 E. Platte Ave. #200
Colorado Springs, CO 80903

Phone -- 303-699-6502
Email – purudass@hotmail.com

January 15, 2008

Sandy Johnson
Designated Basins Branch
Colorado Division of Water Resources
1313 Sherman St. # 818
Denver, CO 80203

SUB: Two Well Permit Applications; Changing Monitoring Permits to Production Well Permits

Dear Sandy:

We have already received from your office two monitoring well permits--permit #276133 for a Laramie-Fox Hills well and Permit # 276134 for an Arapahoe Well. These monitoring wells are now constructed or are close to completion. The geophysical logs were obtained for the boreholes as required by the permits.

- We are herewith applying for large capacity well permits to convert these monitoring wells to be processed in accordance with the Commission approved determinations. The approved determination is 458-BD for the Arapahoe aquifer and 457-BD for the Laramie-Fox Hills aquifer. Both Arapahoe and Laramie-Fox Hills are nontributary at this location.
- Attached herewith are two applications and the \$200.00 application fee.

Please feel free to contact me if you have any questions regarding these applications.

Sincerely,



Purushottam Dass, Ph D, PE
Santa Fe Springs, LLC

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JAN 28 2008

WATER RESOURCES
STATE ENGINEER
COLO.

SB5OUT1

Santa Fe Spgs
3625367B

LOCATION: NW1/4 OF NW1/4 OF SEC. 10, T.13S., R.64W. (1000 NSL, 230 WSL)
LOCATION IS WITHIN THE UPPER BLACK SQUIRREL DESIGNATED GROUND WATER BASIN

Ground Elevation: 6770

Number of Acres: 6955

AQUIFER	ELEVATION		NET SAND	DEPTH TO		ANNUAL APPROP A-F	STATUS
	BOT.	TOP		BOT.	TOP		
UPPER DAWSON	----	----	----	----	----	----	---
LOWER DAWSON	----	----	----	----	----	----	---
DENVER	5872	6687	197.7	898	83	2337.72	NNT
UPPER ARAPAHOE	5362	5850	217.9	1408	920	2576.59	NT
LOWER ARAPAHOE	----	----	----	----	----	----	---
LARAMIE-FOX HILLS	4747	5033	217.7	2023	1737	2271.55	NT

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



DEPARTMENT OF NATURAL RESOURCES

DIVISION OF WATER RESOURCES

March 18, 2008

Bill Ritter, Jr.
Governor

Harris D. Sherman
Executive Director

Dick Wolfe, P.E.
Director

File

Re: Request for Waiver of Geophysical Logging Requirement, Permit Application
Receipt No3625367B

The proposed location for existing well constructed under Permit No. 276134 and to be re-permitted with Application Receipt No. 3625367B is located within 1,320 feet of an existing well constructed under Permit No. 276133, for which an acceptable geophysical log is available.

Pursuant to Rule 9A of the Statewide Nontributary Ground Water Rules the geophysical logging requirement attached to Permit Application Receipt No. 3625367B (Condition of Approval 10) can be waived.

Please feel free to contact me if you have any questions or require additional information.

Sincerely,

Michael P Schaub
Geologist, Geotechnical Services Branch
Colorado Division of Water Resources

Office of the State Engineer

1313 Sherman Street, Suite 818 • Denver, CO 80203 • Phone: 303-866-3581 • Fax: 303-866-3589

www.water.state.co.us

Colorado Division of Water Resources

*LFA
Monitoring Well*

Colorado's Well Permit Search

THIS PAGE IS NOT THE ACTUAL PERMIT

The information contained on this page is a summary of the permit file and may not reflect all details of the well permit. ([Full Disclaimer](#))

Permit Canceled

Last Refresh:

Receipt: 3623714A **Division:** 2
Permit #: 276133- **Water District:** 10
Well Name / #: **County:** EL PASO
Designated Basin: UPPER BLACK SQUIRREL CREEK **Management District:** UPPER BLACK SQUIRREL
Case Number:
WDID:

[-] Imaged Documents - Permit File

Document Name	Date Imaged	Annotated
Pump Installation	01/28/2008	No
Well Construction	01/28/2008	No
Denver Basin Exempt Well Data Sheet	01/22/2008	No
Maps, Deeds & Legal Descriptions	01/22/2008	No
Correspondence, Memos, Findings & Hearings	01/22/2008	No
Monitoring & Observation Application	01/22/2008	No
Well Permit	01/22/2008	No

[-] Applicant/Contact

Applicant/Contact Name	Mailing Address	City/State/Zip
SANTA FE SPRINGS LLC	31 E PLATTE AVE # 200	COLORADO SPRINGS, CO 80903

[-] Location Information

Approved Well Location:

Q40	Q160	Section	Township	Range	PM	Footage from Section Lines
NW	NW	10	13S	64W	Sixth	1000 N 250 W

Northing (UTM y): 4309866.5 **Easting (UTM x):** 538841.1
Location Accuracy: Spotted from section lines

Subdivision Name

Filing Block Lot

Parcel ID: Acres in Tract:

[-] Permit Details

Date Issued: 12/04/2007 **Date Expires:** 12/04/2009
Uses (See [Imaged Documents](#) for more information)
General Use(s): Monitoring/Sampling **Aquifer(s):** LARAMIE FOX HILLS
Special Use:
Area which may be irrigated:
Annual volume of appropriation:
Statute:
Cross Reference Permit(s):

Permit Number	Receipt
66938-F-	3625367A

Comments: AQUIFER DEPTH INTERVAL WAS AMENDED ON 12/17/2007 BASED ON SITE SPECIFIC INFORMATION (RESISTIVITY LOG) PROVIDED BY THE CONSULTANT. MPS 12/17/2007

[-] Construction/Usage Details

Well Construction Date: 12/16/2007 **Pump Installation Date:** 01/03/2008
Well Plugged: **1st Beneficial Use:**

Elevation	Depth	Perforated Casing (Top)	Perforated Casing (Bottom)	Static Water Level	Pump Rate
6770	2035	1736	1977		

Driller	Lic #	Name	Address	Phone Number
Pump Installer	1148	KUNAU, TIMOTHY R.	23945 LUCKY LN CALHAN, CO 80808	7196833720

[-] Application/Permit History

Permit Canceled	03/18/2008
Pump Installed	01/03/2008
Well Constructed	12/16/2007
Permit Issued	12/04/2007
Application Received	12/03/2007

Disclaimer

***The information contained on this page is a summary of the permit file and may not reflect all details of the well permit. THIS PAGE IS NOT THE ACTUAL PERMIT.**

This page should not be used as a basis for any legal consideration, to determine the allowed uses of the well, to determine construction information, or to determine the terms and conditions under which the well can operate. The complete well permit file should be viewed to obtain details on the allowed uses and other relevant information. A complete copy of this file is available in the "Imaged Documents" section of this page, and can be viewed by opening all of the documents listed under that section (documents will open as pdf files).

Note that all of the terms and conditions under which a well can operate, particularly for non-exempt wells, may not be specified on the well permit. Wells may also be subject to relevant statutes, rules and decrees. To learn more about well permitting in Colorado, please visit [DWR's Well Permitting Page](#). If you have any questions about this well permit file, please contact the [DWR Ground Water Information Desk](#).

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JAN 16 2008

WATER RESOURCES
STATE ENGINEER
C.O.G.

FORM NO. GWS-31 04/2005
WELL CONSTRUCTION AND TEST REPORT
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER
1313 Sherman St., Room 818, Denver, CO 80203
Phone - Info (303) 866-3587 Main (303) 866-3581
Fax (303) 866-3589 http://www.water.state.co.us

1. WELL PERMIT NUMBER: 276133 (Page 1)
2. WELL OWNER INFORMATION
NAME OF WELL OWNER: Santa Fe Springs LLC
MAILING ADDRESS: 31 E Platte Ave. #200
CITY: Colorado Springs STATE: CO ZIP CODE: 80903
TELEPHONE NUMBER: (719) 442-2376

3. WELL LOCATION AS DRILLED: N/4, N/4, Sec. 10, Twp. 13 N or S, Range 64 E or W
DISTANCES FROM SEC. LINES: 1000 ft. from N or S section line and 250 ft. from E or W section line
SUBDIVISION: _____ LOT _____ BLOCK _____ FILING (UNIT) _____
Optional GPS Location: GPS Unit must use the following settings: Format must be UTM, Units must be meters, Datum must be NAD83, Unit must be set to true N, Zone 12 or Zone 13
Owner's Well Designation: _____
Easting: _____
Northing: _____

4. GROUND SURFACE ELEVATION 6772 feet DRILLING METHOD Rotary (mud)
DATE COMPLETED 12-16-07 TOTAL DEPTH 2035 feet DEPTH COMPLETED 1976 feet

Depth	Type	Grain Size	Color	Water Loc.
0-80	sand	coarse		
80-120	sand, clay, shale		(blue)	
120-135	shale, sand		(blue-gray)	
135-150	clay, sand			
150-220	clay w/sand stringers			
220-276	clay shale w/sand			
276-400	sand white w/clay - trace coal streaks			
400-500	clay sand white tan w/trace coal streaks			
500-650	clay grading to silty sand w/trace coal streaks			
650-700	clay sticky w/sand + silt stringers			
700-800	clay soft w/sand stringers			
800-900	clay soft sticky w/sand streaks + trace coal			
900-980	clay + sand within coal seams			
980-1050	sand tan coarse w/shaly clay			
1100-1200	sand w/dark gray clay mushy			
1200-1400	clay, shale, mushy w/sand (tan-white)			
1400-1500	shale w/clay + sand stringers			
1500-1600	clay w/shale + sand stringers + trace coal			
1600-1730	clay soft shale, sand stringers			

Remarks: w/trace coal stringer
centralizers installed every 84'
(Continue on Page 2)

8. HOLE DIAM (in.)	From (ft)	To (ft)
<u>17.50</u>	<u>0</u>	<u>135</u>
<u>12 1/4</u>	<u>135</u>	<u>2035</u>

7. PLAIN CASING:				
OD (in)	Kind	Wall Size (in)	From (ft)	To (ft)
<u>13 3/8</u>	<u>steel</u>	<u>2.330</u>	<u>0</u>	<u>135</u>
<u>8 5/8</u>	<u>steel</u>	<u>2.64</u>	<u>+2</u>	<u>1736</u>

8. FILTER PACK:		9. PACKER PLACEMENT:	
Material	Size	Type	Depth
_____	_____	<u>Cement basket</u>	<u>1736</u>
_____	_____	_____	_____

10. GROUTING RECORD				
Material	Amount	Density	Interval	Placement
<u>Cement</u>	<u>105 sacks</u>	<u>7 gal</u>	<u>0-135</u>	<u>pumped</u>
<u>Cement</u>	<u>285 sacks</u>	<u>7 gal</u>	<u>820-1776</u>	<u>pumped</u>

11. DISINFECTION: Type Sodium Hypochlorite Amt. Used (4) 55 gal. drums 10%

12. WELL TEST DATA: Check box if Test Data is submitted on Form Number GWS 39 Supplemental Well Test.
TESTING METHOD
Static Level 1280 ft. Date/Time measured: 12-16-07 Production Rate 250 gpm.
Pumping Level 1597 ft. Date/Time measured _____ Test Length (hrs) 24 hrs
Remarks: _____

13. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed and certified in accordance with Rule 17.4 of the Water Well Construction Rules, 2 CCR 402-2. [The filing of a document that contains false statements is a violation of section 37-91-108(1)(e), C.R.S., and is punishable by fines up to \$5000 and/or revocation of the contracting license.]

Company Name: Kumau Drilling LLC Phone: (719) 683-3720 License Number: 1148
Mailing Address: 23945 Lucky Lane Calhan CO 80808
Signature: Tim Kumau Print Name and Title: Tim Kumau manager Date: 1-15-08

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WATER RESOURCES
STATE ENGINEER
COLORADO

WELL CONSTRUCTION AND TEST REPORT
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER
 1313 Sherman St., Room 818, Denver, CO 80203
 Phone - Info (303) 866-3587 Main (303) 866-3581
 Fax (303) 866-3589 http://www.water.state.co.us

FORM NO. GWS-31 04/2005

1. WELL PERMIT NUMBER: 276133 (Page #2)

2. WELL OWNER INFORMATION
 NAME OF WELL OWNER: Santa Fe Springs LLC
 MAILING ADDRESS: 31 E Platte Ave #200
 CITY: Colorado Springs STATE: CO ZIP CODE: 80903
 TELEPHONE NUMBER: ()

3. WELL LOCATION AS DRILLED: ___ 1/4, ___ 1/4, Sec. ___, Twp. ___ N or S, Range ___ E or W
 DISTANCES FROM SEC. LINES: ___ ft. from N or S section line and ___ ft. from E or W section line
 SUBDIVISION: _____, LOT ___, BLOCK ___, FILING (UNIT) _____
 Optional GPS Location: GPS Unit must use the following settings: Format must be UTM, Units must be meters, Datum must be NAD83, Unit must be set to true N. Zone 12 or Zone 13
 Owner's Well Designation: _____
 Easting: _____
 Northing: _____
 STREET ADDRESS AT WELL LOCATION: _____

4. GROUND SURFACE ELEVATION _____ feet
 DATE COMPLETED _____ TOTAL DEPTH _____
 DRILLING METHOD _____
 DEPTH COMPLETED _____ feet

5. GEOLOGIC LOG:

Depth	Type	Grain Size	Color	Water Loc.
1730-1800	Sand	coarse quartz grains	w/shale	
1800-1860	Sand	coarse w/decreasing quartz grains + shale stringers		
1860-1930	Sand	silty w/shale stringers		
1930-1990	silty sand	strings w/increasing silty shale		
1990-2030	sand	silty decreasing grain size w/shale & clay stringers		
2030-2035	thin silty sand	w/shale & clay stringers		

6. HOLE DIAM (in.)

From (ft)	To (ft)
_____	_____
_____	_____

7. PLAIN CASING:

OD (in)	Kind	Wall Size (in)	From (ft)	To (ft)
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

PERFORATED CASING: Screen Slot Size (in): _____

8. FILTER PACK:

Material _____	9. PACKER PLACEMENT:
Size _____	Type _____
Interval _____	Depth _____

10. GROUTING RECORD

Material	Amount	Density	Interval	Placement
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Remarks: For more detail see attached

11. DISINFECTION: Type _____ Amt. Used _____

12. WELL TEST DATA: Check box if Test Data is submitted on Form Number GWS 39 Supplemental Well Test.

TESTING METHOD _____

Static Level _____ ft. Date/Time measured: _____, Production Rate _____ gpm.
 Pumping Level _____ ft. Date/Time measured _____, Test Length (hrs) _____
 Remarks: _____

13. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed and certified in accordance with Rule 17.4 of the Water Well Construction Rules, 2 CCR 402-2. (The filing of a document that contains false statements is a violation of section 37-91-108(1)(e), C.R.S., and is punishable by fines up to \$5000 and/or revocation of the contracting license.)

Company Name: _____ Phone: () _____ License Number: _____

Mailing Address: _____
 Signature: _____ Print Name and Title: _____ Date: _____

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JAN 6 2008

Formation	Depth	Interval	Permit No. 276133 / Sample Description
		0-80	sand coarse grained
		80-120	sand w/blue shale, clay
		120-135	blue-gray shale w/sand
	135		Surface Casing
		135-150	clay sand
		150-220	clay w/sand stringers
		220-276	clay/shale w/sand
Denver-Top	276	276-400	sand white w/clay; trace coal strgs
		400-500	clay and sand white-tan w/trace coal strgs
		500-650	clay grading to silty sand and tr coal strgs
		650-700	clay sticky w/sand and silt stringers
		700-800	clay soft w/sand stringers
		800-900	clay soft sticky w/sand stringers & trace coal
Denver-Base	886		
		900-980	clay and sand w/ thin coal seams
Arapahoe-Top	966		
		980-1050	sand tan coarse w/shaley clay
		1100-1260	sand w/dark gray clay mushy
		1260-1400	clay shaley mushy w/sand tan-white
Arapahoe-Base	1394		
		1400-1500	shale w/clay & sand stringers
		1500-1600	clay w/shale & sand stringers and trace coal
		1600-1730	clay soft shale & sand stringers w/trace coal stringers increasing
Fox Hills-Top	1730		
		1730-1800	sand coarse quartz grains w/shale stringers
		1800-1860	sand coarse w/decreasing quartz grains & shale stringers
		1860-1930	sand silty w/shale stringers
		1930-1990	silty sand stringers w/increasing silty shale
Fox Hills-Base	1992		
		1990-2020	sand silty decreasing grain size w/shale & clay stringers
		2020-2035	thin silty sand w/shale & clay stringers
Total Depth	2035		

 W. 1
 813
 RESOURCES
 LINNEN
 2049

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JAN 16 2008

WATER RESOURCES
STATE ENGINEER
COLO.

Formation	Depth	Interval	Permit No. 276133 / Sample Descriptions
		0-135	SS cong-ark ltyel-wh sbang-sbrd part w/intbd SH
	135		Surface Casing
		135-220	SS cong aa w/clyst & SH
Denver-Top	276	220-400	SS gy-wh v-fmg uncon mica w/SH gy-gn sft bky clystn sticky coal strgs
		400-500	SS wh-tan f-vfg uncon-fri cly mlrx mica w/tr coal strgs & SH strgs gy-tan clystn
		500-650	SH gy sft clystn glau sltst w/ SS sity mlky-gy m-veg uncon w/min incl coal strgs
		650-770	SS aa decr w/incr SH clystn gy sft mushy sity w/intbd sltst strgs
		770-850	SH aa decr w/SS clr-tgy l-vfg uncon sbang Clystn strgs
Denver-Base	888		
		850-980	SH aa clystn sft sity w/SS aa thin coal seams
Arapahoe-Top	940		
		980-1100	SS wh-tan f-vfg uncon felds cly sbang w/clystn & SH m-dkgy sft arg coal seams
		1100-1280	SS vfg-mg uncon sbang felds w/sltst aa & dkgy clystn mushy-sft
		1280-1400	SH gy-bm bky sity w/clystn sticky mgy w/SS tan-wh v-cg shly vsky w/intbd sltst strgs
Arapahoe-Base	1398		
		1400-1550	SH & clystn w/in coal seams SS clr-wh cong-fg ang pert min incl carb coal seams
		1550-1730	SS aa decr to m-g fri-uncon vally carb w/intbd coal seams & dkgy carb sh
Fox Hills-Top	1730		
		1730-1850	SS wh-pale yel cong-cg uncon-fri sbang pert felds w/min incl SH dkgy-brn sft pty
Fox Hills-Base	1992		
		1850-2035	SS aa m-cg incr sity pyr w/incr in SH sft mushy carb & ekst strgs mgy fri carb pyr
Total Depth	2035		

FORM NO. GWS-32 02/2005	PUMP INSTALLATION AND TEST REPORT STATE OF COLORADO, OFFICE OF THE STATE ENGINEER 1313 Sherman St., Room 818, Denver, CO 80203 Info (303) 866-3587 Main (303) 866-3581 Fax (303) 866-3589 http://www.water.state.co.us	For Office Use Only						
1. WELL PERMIT NUMBER: <u>276d33</u>		RECEIVED JAN 16 2008 WATER RESOURCES STATE ENGINEER COLO.						
2. WELL OWNER INFORMATION NAME OF OWNER <u>Santa Fe Springs LLC</u>								
MAILING ADDRESS <u>31 E Platte Ave #200</u>								
CITY <u>Colorado Springs</u>	STATE <u>CO</u>		ZIP CODE <u>80903</u>					
TELEPHONE # <u>(719) 442-2376</u>								
3. WELL LOCATION AS DRILLED: <u>NW 1/4, NW 1/4 Sec. 10, Twp. 13</u> <input type="checkbox"/> N or <input checked="" type="checkbox"/> S, Range <u>6A</u> <input type="checkbox"/> E or <input checked="" type="checkbox"/> W DISTANCES FROM SEC. LINES: <u>1000</u> ft. from <input checked="" type="checkbox"/> N or <input type="checkbox"/> S section line and <u>250</u> ft. from <input type="checkbox"/> E or <input checked="" type="checkbox"/> W section line. SUBDIVISION: _____ LOT _____ BLOCK _____ FILING (UNIT) _____ Optional GPS Location: GPS Unit must use the following settings: Format must be UTM, Units Easting: _____ must be meters, Datum must be NAD83, Unit must be set to true N, <input type="checkbox"/> Zone 12 or <input type="checkbox"/> Zone 13 Northing: _____								
STREET ADDRESS AT WELL LOCATION:								
4. PUMP DATA: Type: <u>Submersible</u> Date Installed: <u>1-3-08</u> Pump Manufacturer: <u>ESP</u> Pump Model No. <u>Type TE5500 Series TR5</u> Design GPM: <u>100-250 RPM Variable</u> HP <u>150</u> Volts <u>480</u> Full Load Amps <u>277</u> Pump Intake Depth: <u>1855</u> Feet, Drop/Column Pipe Size <u>2 7/8</u> inches, Kind of Drop Pipe <u>FUE Tubing</u> ADDITIONAL INFORMATION FOR PUMPS GREATER THAN 50 GPM: Turbine Driver Type: <input type="checkbox"/> Electric <input type="checkbox"/> Engine <input type="checkbox"/> Other _____ <table border="0" style="width:100%"> <tr> <td>Design Head</td> <td>feet</td> <td>Number of Stages</td> <td><u>41</u></td> <td>Shaft size</td> <td>inches</td> </tr> </table>			Design Head	feet	Number of Stages	<u>41</u>	Shaft size	inches
Design Head	feet	Number of Stages	<u>41</u>	Shaft size	inches			
5. OTHER EQUIPMENT: Airline Installed <input type="checkbox"/> Yes <input type="checkbox"/> No, Orifice Depth ft. _____ Monitor Tube Installed <input type="checkbox"/> Yes <input type="checkbox"/> No, Depth ft. _____ Flow Meter Mfg. _____ Meter Serial No. _____ Meter Readout: <input type="checkbox"/> Gallons, <input type="checkbox"/> Thousand Gallons, <input type="checkbox"/> Acre feet Beginning Reading _____								
6. TEST DATA: <input type="checkbox"/> check box if Test Data is submitted on Supplemental Form. Date: <u>1-3-08</u> Total Well Depth: <u>1976</u> ft. Time: _____ Static Level: <u>1280</u> ft. Rate (gpm): <u>250</u> Date Measured: <u>12-16-07</u> Pumping Level (ft): <u>1597 while pumping 250 gpm</u>								
7. DISINFECTION: Type <u>HTH</u> Amt. Used <u>6.02</u>								
8. Water Quality analysis available: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please submit with this report.								
9. Remarks:								
10. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed and certified in accordance with Rule 17.4 of the Water Well Construction Rules, 2 CCR 402-2. [The filing of a document that contains false statements is a violation of section 37-91-108(1)(e), C.R.S., and is punishable by fines up to \$5000 and/or revocation of the contracting license.]								
Company Name: <u>Kunau Drilling LLC</u>	Phone: <u>(719) 683-3720</u>	License Number: <u>1148</u>						
Mailing Address: <u>23945 Lucky Lane, Callan, CO 80808</u>								
Signature: <u>Tim Kunau</u>	Print Name and Title: <u>Tim Kunau, manager</u>	Date: <u>1-15-08</u>						

SB5OUT1

Santa Fe Springs
3623714A

LOCATION: NW1/4 OF NW1/4 OF SEC. 10, T.13S., R.64W. (1000 NSL, 250 WSL)
LOCATION IS WITHIN THE UPPER BLACK SQUIRREL DESIGNATED GROUND WATER BASIN

Ground Elevation: 6770

Number of Acres: 1

AQUIFER	ELEVATION		NET SAND	DEPTH TO		ANNUAL APPROP A-F	STATUS
	BOT.	TOP		BOT.	TOP		
UPPER DAWSON	----	----	----	----	----	----	---
LOWER DAWSON	----	----	----	----	----	----	---
DENVER	5872	6687	197.7	898	83	0.34	NNT
UPPER ARAPAHOE	5362	5850	218.0	1408	920	0.37	NT
LOWER ARAPAHOE	----	----	----	----	----	----	---
LARAMIE-FOX HILLS	4747	5033	217.7	2023	1737	0.33	NT

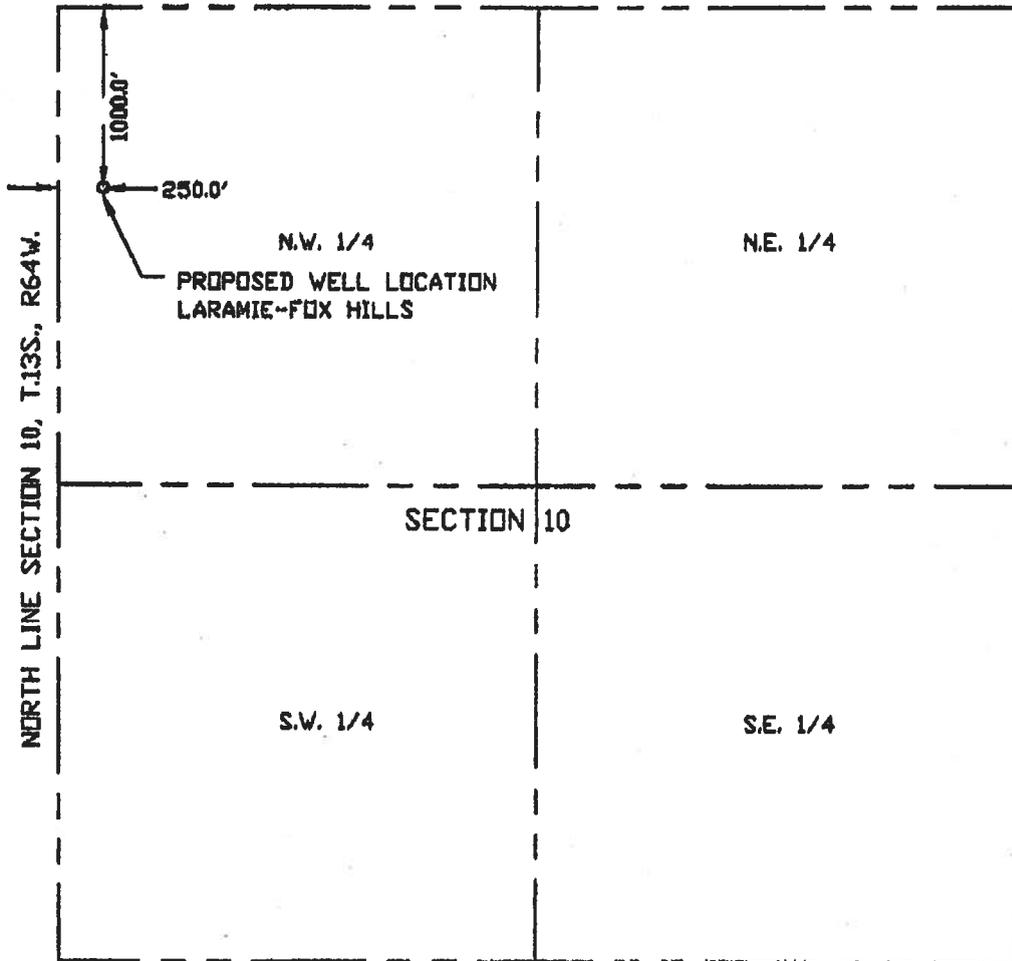
note: E indicates location is at aquifer boundary and values may be more approximate.

REVISED

DEC 03 2007

WATER RESOURCES
STATE ENGINEER
COLO.

NORTH LINE SECTION 10, T.13S., R64W.



SCALE 1"=1000'



4575 GALLEY ROAD SUITE 200
COLORADO SPRINGS COLORADO
(719) 597-9900 80915

07-1102 11-30-07 JLK

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WATER RESOURCES
STATE ENGINEER
COLO.

PLW Inc
31 E. Platte Ave. Suite 200
Colorado Springs, CO 80903
Ph. (719) 442-2376 / Fax (719) 314-0184

November 29, 2007

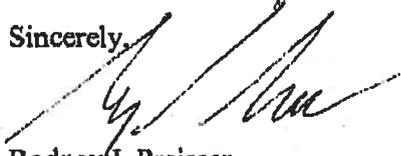
To Whom It May Concern:

This letter serves as formal notification that Dr. Purshottam Dass has full legal authorization to sign and amend water related applications made to the State of Colorado on behalf of PLW Inc. or Ellicott Springs, LLC or Santa Fe Springs, LLC or Triple Bar Ranch, LLC or Rodney J. Preisser.

All of the above entities are owned by Mr. Rodney Preisser and Dr. Dass is hereby authorized to sign and amend applications as an agent for all of the above.

If you have any further questions on this matter, please contact me at my office phone: (719) 442-2376 or on my cell phone at: (719) 339-9111.

Sincerely,



Rodney J. Preisser
Manager / Owner

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DEC 03 2007

WATER RESOURCES
STATE ENGINEER
C.O.L.G.

Purushottam Dass
31 E. Platte Ave. #200
Colorado Springs, CO 80903

Phone -- 303-699-6502
Email -- purudass@hotmail.com

November 30, 2007

Sandy Johnson
Designated Basins Branch
Colorado Division of Water Resources
1313 Sherman St. # 818
Denver, CO 80203

SUB: Two Well Permit Applications

Dear Sandy:

As discussed with you, I am forwarding two well permit applications for monitoring wells to be located in the Upper Black Squirrel Creek Designated Basin. Please note the following:

- One well will be perforated in the Arapahoe aquifer and the other in the Laramie-Fox Hills aquifer.
 - We will later make applications to convert these monitoring well permits to large capacity well permits to be processed in accordance with the Commission approved determinations. The approved determination is 458-BD for the Arapahoe aquifer and 457-BD for the Laramie-Fox Hills aquifer. Both Arapahoe and Laramie-Fox Hills are nontributary at this location.
 - Since by rules, geophysical logs will be required for the production wells, you may please consider putting the requirement of geophysical logs on these monitoring well permits.
- Later on, once these monitoring well permits are issued, I would contact geo-technical branch in your office to waive the requirement of geophysical log for the Arapahoe (shallower) well since the two wells will be within 200 feet of each other. I would request this waiver now when the well will be constructed since getting a geo-log later on will not be feasible.
- A fee of \$200.00 for the monitoring well permits is included.

Dass
12.3.07

Please feel free to contact me if you have any questions regarding these applications.

Sincerely,



Purushottam Dass, Ph.D, PE
Santa Fe Springs, LLC

262

COLORADO DIVISION OF WATER RESOURCES
DEPARTMENT OF NATURAL RESOURCES
1313 SHERMAN ST., RM 818, DENVER CO 80203
phone - info: (303) 866-3587 main: (303) 866-3581
Fax: (303) 866-3589 http://www.water.state.co.us

Office Use Only
Form GWS-46 (06/2006)
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WATER RESOURCES
STATE ENGINEER
GOLD

MONITORING/OBSERVATION
Water Well Permit Application
Review instructions on reverse side prior to completing form.
The form must be completed in black or blue ink or typed.

1. Well Owner Information
Name of well owner
Santa Fe Springs, LLC
Mailing address
31 E. PLATTE AVE. # 200
City State Zip code
Colorado Springs CO 80903
Telephone # E-Mail (Optional)
() 719-442-2376

6. Use Of Well
Use of this well is limited to monitoring water levels and/or water quality sampling

2. Type Of Application (check applicable boxes)
 Use existing well
 Construct new well
 Other:
 Replacement for existing monitoring well:
Permit no.:

7. Well Data (proposed)
Total depth: **± 2015** feet
Aquifer: **Laramie Fox Hills (bottom)**

3. Refer To (if applicable) —
Monitoring hole acknowledgment
MH-
Well name or #

8. Consultant Information (if applicable)
Name of contact person
Purushottam Dass

4. Location Of Proposed Well
County: **EL PASO**
Section: **10** Township: **13** N or S: Range: **64** E or W: Principal Meridian: **6th PM**

Company name: **PLW, Inc.**
Mailing address: **31 E. PLATTE AVE # 200**
City State Zip Code: **Colorado Springs, CO 80903**
Telephone #: **() 303-699-6502**

Distance of well from section lines (section lines are typically not property lines)
1000 Ft. from N S **250** Ft. from E W
For replacement wells only - distance and direction from old well to new well
feet direction

9. Proposed Well Driller License #(optional):
10. Signature Of Well Owner, Consultant Or Authorized Agent
The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge.
Sign here (Must be original signature) Date
Purushottam Dass **11.30.07**
Print name & title
PURUSHOTTAM DASS, agent.

Well location address (Include City, State, Zip) Check if well address is same as item 1.
Optional: GPS well location information in UTM format
You must check GPS unit for required settings as follows:
Format must be UTM
 Zone 12 or Zone 13
Units must be Meters
Datum must be NAD83
Unit must be set to true north
Was GPS unit checked for above? YES Remember to set Datum to NAD83
Easting _____
Northing _____

Office Use Only
USGS map name DWR map no. Surface elev.
62A 6770
Receipt area only
Trans Number: 3623714 A
12/3/2007 11:30:34 AM
James Martin (19)
Total Trans Amt: \$200.00
CREDIT CARD
Tender Amount: \$200.00

5. Property Owner Information
Name of property owner
Cheruk Kwan
Mailing address
3004 Cottonwood Ct.
City State Zip Code
Fullerton CA 92835
Telephone #
()

DIV 8 WD 10 BA 4 MD 12

Colorado Division of Water Resources

*LFA
Productive well*

Colorado's Well Permit Search

THIS PAGE IS NOT THE ACTUAL PERMIT

The information contained on this page is a summary of the permit file and may not reflect all details of the well permit. ([Full Disclaimer](#))

Well Constructed

Last Refresh:

Receipt:	3625367A	Division:	2
Permit #:	66938-F -	Water District:	10
Well Name / #:		County:	EL PASO
Designated Basin:	UPPER BLACK SQUIRREL CREEK	Management District:	UPPER BLACK SQUIRREL
Case Number:	457-BD		
WDID:			

[-] Imaged Documents - Permit File

Document Name	Date Imaged	Annotated
Original File	03/25/2008	No

[-] Applicant/Contact

Applicant/Contact Name	Mailing Address	City/State/Zip
SANTA FE SPRINGS LLC	31 E PLATTE AVE # 200	COLORADO SPRINGS, CO 80903

[-] Location Information

Approved Well Location:

Q40	Q160	Section	Township	Range	PM	Footage from Section Lines
NW	NW	10	13S	64W	Sixth	1000 N 250 W
Northing (UTM y):		4309866.5		Easting (UTM x):		538841.1
Location Accuracy: Spotted from section lines						

Subdivision Name

Filing Block Lot

Parcel ID:

Acres in Tract:

[-] Permit Details

Date Issued: 03/18/2008 **Date Expires:** 03/18/2009

Uses (See [Imaged Documents](#) for more information)

General Use(s): Commercial
Domestic

Aquifer(s): LARAMIE FOX HILLS

Special Use:

Area which may be irrigated: 6955.31 ACRES

Annual volume of appropriation:

Statute:

Cross Reference Permit(s):	Permit Number	Receipt
	276133--	3623714A

Comments:

[-] Construction/Usage Details

Well Construction Date: 12/16/2007

Pump Installation Date:

Well Plugged:

1st Beneficial Use:

Elevation	Depth	Perforated Casing (Top)	Perforated Casing (Bottom)	Static Water Level	Pump Rate
	2025	1736	1977		
Driller	Lic #	Name	Address	Phone Number	
	1148	KUNAU, TIMOTHY R.	23945 LUCKY LN CALHAN, CO 80808	7196833720	

[-] Application/Permit History

Permit Issued	03/18/2008
Application Received	01/28/2008
Pump Installed	01/03/2008
Well Constructed	12/16/2007

Disclaimer

***The information contained on this page is a summary of the permit file and may not reflect all details of the well permit. THIS PAGE IS NOT THE ACTUAL PERMIT.**

This page should not be used as a basis for any legal consideration, to determine the allowed uses of the well, to determine construction information, or to determine the terms and conditions under which the well can operate. The complete well permit file should be viewed to obtain details on the allowed uses and other relevant information. A complete copy of this file is available in the "Imaged Documents" section of this page, and can be viewed by opening all of the documents listed under that section (documents will open as pdf files).

Note that all of the terms and conditions under which a well can operate, particularly for non-exempt wells, may not be specified on the well permit. Wells may also be subject to relevant statutes, rules and decrees. To learn more about well permitting in Colorado, please visit [DWR's Well Permitting Page](#). If you have any questions about this well permit file, please contact the [DWR Ground Water Information Desk](#).

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Form No. GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

1148

WELL PERMIT NUMBER 66938 -F -
DIV. 8 WD 10 DES. BASIN 4 MD 12

APPLICANT

SANTA FE SPRINGS LLC
31 E PLATTE AVE # 200
COLORADO SPRINGS, CO 80903-

(719) 442-2376

APPROVED WELL LOCATION
EL PASO COUNTY
NW 1/4 NW 1/4 Section 10
Township 13 S Range 64 W Sixth P.M.

DISTANCES FROM SECTION LINES
1000 Ft. from North Section Line
250 Ft. from West Section Line

UTM COORDINATES (Meters, Zone: 13, NAD83)
Easting: Northing:

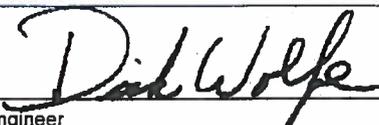
PERMIT TO USE AN EXISTING WELL

CONDITIONS OF APPROVAL

Page 1 of 2

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure 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 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 18.
- 3) Approved for use of an existing well (constructed under permit no. 276133) pursuant to CRS 37-90-107(7) and the Findings and Order of the Colorado Ground Water Commission dated March 3, 2004, for Determination of Water Right No. 457-BD.
- 4) The pumping rate of this well shall not exceed 500 GPM.
- 5) The annual withdrawal of ground water from this well shall not exceed 800 acre-feet, subject to the total annual withdrawal limitations and conditions as specified by the above referenced Order of the Commission.
- 6) The use of ground water from this well is limited to domestic use, irrigation, commercial, industrial, recreation and livestock. The place of use shall be limited to the 6955.31 acre land area claimed in the above described Order of the Commission.
- 7) This well must be constructed to withdraw water only from the Laramie-Fox Hills aquifer. The top of the aquifer is located approximately 1735 feet below ground surface and the base of the aquifer is located approximately 2025 feet below ground surface. Plain casing must be installed and grouted to prevent the diversion of water from other aquifers and the movement of water between aquifers. Since the depth to the top of the aquifer is approximate, to ensure the exclusion of poor quality water from zones immediately above the aquifer, plain casing and grout shall extend through the lowermost coal and/or carbonaceous shale that overlies the Laramie sand portion of the aquifer.
- 8) The owner shall mark the well in a conspicuous place with the well permit number and name of aquifer as appropriate, and shall take necessary means and precautions to preserve these markings.
- 9) This well shall be constructed within 200 feet of the location specified on this permit. This well shall not be located within 600 feet of another large-capacity well completed in the Laramie-Fox Hills aquifer.
- 10) A totalizing flow meter or Commission approved measuring device must be installed on this well and maintained in good working order. Permanent records of all diversions must be maintained by the well owner (collected at least annually) and submitted to the Upper Black Squirrel Creek Ground Water Management District and the Ground Water Commission upon request.
- 11) No more than 98% of the ground water withdrawn annually shall be consumed. The Commission may require well owners to demonstrate periodically that no more than 98% of the water withdrawn is being consumed.

APPROVED
SMJ


State Engineer


By

Receipt No. 3625367A

DATE ISSUED 03-18-2008

EXPIRATION DATE 03-18-2009

CONDITIONS OF APPROVAL

12) Issuance of this permit cancels permit no. 276133.

NOTE: The well was geophysically logged under permit no. 276133.

NOTE: The ability of this well to withdraw its authorized amount of water from this non-renewable aquifer may be less than the 100 years upon which the amount of water in the aquifer is allocated, due to anticipated water level declines.

NOTE: This well is located within a Ground Water Management District where local District Rules may apply to the withdrawal of designated ground water currently authorized under this permit.

FORM NO.
GWS-31
04/2005

WELL CONSTRUCTION AND TEST REPORT
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER
1313 Sherman St., Room 818, Denver, CO 80203
Phone - Info (303) 866-3587 Main (303) 866-3561
Fax (303) 866-3589 http://www.water.state.co.us

For Office Use Only

RECEIVED

JAN 16 2008

WATER RESOURCES
STATE ENGINEER
COLO.

66938-F

1. WELL PERMIT NUMBER: 876133 (Page 1)
2. WELL OWNER INFORMATION
NAME OF WELL OWNER: Santa Fe Springs LLC
MAILING ADDRESS: 31 E Platte Ave #200
CITY: Colorado Springs STATE: CO ZIP CODE: 80903
TELEPHONE NUMBER: (719) 442-2376

3. WELL LOCATION AS DRILLED: NW1/4, NW1/4, Sec. 10, Twp. 13 N or S, Range 64 E or W
DISTANCES FROM SEC. LINES: 1000 ft. from N or S section line and 250 ft. from E or W section line
SUBDIVISION: _____, LOT _____, BLOCK _____, FILING (UNIT) _____
Optional GPS Location: GPS Unit must use the following settings: Format must be UTM, Units must be meters, Datum must be NAD83, Unit must be set to true N, Zone 12 or Zone 13
STREET ADDRESS AT WELL LOCATION: _____ Northing: _____
Owner's Well Designation: _____
Easting: _____

4. GROUND SURFACE ELEVATION 6772 feet DRILLING METHOD Rotary (mud)
DATE COMPLETED 12-16-07 TOTAL DEPTH 2035 feet DEPTH COMPLETED 1976 feet

Depth	Type	Grain Size	Color	Water Loc.
0-80	sand	coarse		
80-120	sand, clay, shale (blue)			
120-135	shale, sand (blue-gray)			
135-150	clay, sand			
150-220	clay w/sand stringers			
220-276	clay shale w/sand			
276-400	sand white w/clay - trace coal streaks			
400-500	clay sand white tan w/trace coal streaks			
500-650	clay grading to silty sand w/trace coal streaks			
650-700	clay silty w/sand + silt stringers			
700-800	clay soft w/sand stringers			
800-900	clay soft silty w/sand streaks + trace coal			
900-980	clay + sand w/thin coal seams			
980-1050	sand tan coarse w/whitish clay			
1100-1210	sand w/pack gray clay mushy			
1210-1400	clay, shale, mushy w/sand (tan-white)			
1400-1500	shale w/clay + sand stringers			
1500-1600	clay w/silt + sand stringers + trace coal			
1600-1730	clay soft shale, sand stringers			

Remarks: w/trace coal stringer
centralizers installed every 84'
(Continue on Page 2)

HOLE DIAM (in.)	From (ft)	To (ft)
<u>17.50</u>	<u>0</u>	<u>135</u>
<u>12 1/4</u>	<u>135</u>	<u>2035</u>

OD (in)	Kind	Wall Size (in)	From (ft)	To (ft)
<u>13 3/8</u>	<u>steel</u>	<u>330</u>	<u>0</u>	<u>135</u>
<u>8 5/8</u>	<u>steel</u>	<u>264</u>	<u>+2</u>	<u>1736</u>

PERFORATED CASING: Screen Slot Size (in): 0.60

Material	Amount	Density	Interval	Placement
<u>cement</u>	<u>105 sacks</u>	<u>7 gal</u>	<u>0-135</u>	<u>pumped</u>
<u>cement</u>	<u>285 sacks</u>	<u>7 gal</u>	<u>820-1776</u>	<u>pumped</u>

Material	Size	Interval
_____	_____	_____
_____	_____	_____
_____	_____	_____

8. FILTER PACK: _____
9. PACKER PLACEMENT: Type Cement basket
Depth 1736

Material	Amount	Density	Interval	Placement
<u>cement</u>	<u>105 sacks</u>	<u>7 gal</u>	<u>0-135</u>	<u>pumped</u>
<u>cement</u>	<u>285 sacks</u>	<u>7 gal</u>	<u>820-1776</u>	<u>pumped</u>

11. DISINFECTION: Type Sodium Hypochlorite Amt. Used (4) 55 gal. drums 10%
12. WELL TEST DATA: Check box if Test Data is submitted on Form Number GWS 39 Supplemental Well Test.

TESTING METHOD
Static Level 1280 ft. Date/Time measured: 12-16-07 Production Rate 250 gpm.
Pumping Level 1597 ft. Date/Time measured _____ Test Length (hrs) 24 hrs
Remarks: _____

13. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed and certified in accordance with Rule 17.4 of the Water Well Construction Rules, 2 CCR 402-2. (The filing of a document that contains false statements is a violation of section 37-91-108(1)(e), C.R.S., and is punishable by fines up to \$5000 and/or revocation of the contracting license.)

Company Name: Kurau Drilling LLC Phone: (719) 683-3720 License Number: 1148

Mailing Address: 23945 Lucky Lane Calhan CO 80808

Signature: Tim Kurau Print Name and Title: Tim Kurau manager Date: 1-15-08

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Formation	Depth	Interval	Permit No. 276133 / Sample Description
		0-80	sand coarse grained
		80-120	sand w/blue shale, clay
		120-135	blue-gray shale w/sand
	135		Surface Casing
		135-150	clay sand
		150-220	clay w/sand stringers
		220-276	clay/shale w/sand
Denver-Top	276	276-400	sand white w/clay; trace coal strgs
		400-500	clay and sand white-tan w/trace coal strgs
		500-650	clay grading to silty sand and tr coal strgs
		650-700	clay sticky w/sand and silt stringers
		700-800	clay soft w/sand stringers
		800-900	clay soft sticky w/sand stringers & trace coal
Denver-Base	886		
		900-980	clay and sand w/ thin coal seams
Arapahoe-Top	966		
		980-1050	sand tan coarse w/shaley clay
		1100-1260	sand w/dark gray clay mushy
		1260-1400	clay shaley mushy w/sand tan-white
Arapahoe-Base	1394		
		1400-1500	shale w/clay & sand stringers
		1500-1600	clay w/shale & sand stringers and trace coal
		1600-1730	clay soft shale & sand stringers w/trace coal stringers increasing
Fox Hills-Top	1730		
		1730-1800	sand coarse quartz grains w/shale stringers
		1800-1860	sand coarse w/decreasing quartz grains & shale stringers
		1860-1930	sand silty w/shale stringers
		1930-1990	silty sand stringers w/increasing silty shale
Fox Hills-Base	1992		
		1990-2020	sand silty decreasing grain size w/shale & clay stringers
		2020-2035	thin silty sand w/shale & clay stringers
Total Depth	2035		

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WATER RESOURCES
STATE ENGINEER
COLO.

Formation	Depth	Interval	Permit No. 278133 / Sample Descriptions
		0-135	SS cong-ark ltyel-wh sbang-abrd pert w/intrbd SH
	135		Surface Casing
		135-220	SS cong ea w/clyst & SH
Denver-Top	276	220-400	SS gy-wh vf-mg uncon mica w/SH gy-gn sft bky clystn sticky; coal strgs
		400-500	SS wh-tan f-vfg uncon-frl cly mtr mica wtr coal strgs & SH strgs gy-tan clystn
		500-650	SH gy sft clystn glau sltst w/ SS silty mlky-gy m-vop uncon w/min incl; coal strgs
		650-770	SS ea decr w/intr SH clystn gy sft mushy sily w/intrbd sltst strgs
		770-850	SH ea decr w/SS cl-r-lgy f-vfg uncon sbang clystn strgs
Denver-Base	888		
		850-980	SH ea clystn sft silty w/SS ea thin coal seams
Arapahoe-Top	940		
		980-1100	SS wh-tan f-vfg uncon felds cly sbang w/clystn & SH m-dkgy sft arg. coal seams
		1100-1260	SS vfg-mg uncon sbang felds w/ltst ea & dkgy clystn mushy-sft
		1260-1400	SH gy-brn bky sily w/clystn sticky ngy w/SS tan-wh vf-cg shly vely w/intrbd sltst strgs
Arapahoe-Base	1398		
		1400-1550	SH & clystn w/min coal seams SS cl-wh cong-fg ang pert min incl carb coal seams
		1550-1730	SS ea decr to m-fg fr-uncon vely carb w/intrbd coal seams & dkgy carb sh
Fox Hills-Top	1730		
		1730-1850	SS wh-pale yel cong-cg uncon-fr sbang pert felds w/min incl SH dkgy-brn sft pily
Fox Hills-Base	1992		
		1850-2035	SS ea m-cg incr sily pyr w/intr in SH sft mushy carb & sltst strgs ngy fr carb pyr
Total Depth	2035		

FORM NO. GWS-32 02/2005	PUMP INSTALLATION AND TEST REPORT STATE OF COLORADO, OFFICE OF THE STATE ENGINEER 1313 Sherman St., Room 818, Denver, CO 80203 Info (303) 866-3587 Main (303) 866-3581 Fax (303) 866-3589 http://www.water.state.co.us	For Office Use Only						
1. WELL PERMIT NUMBER: <u>276133 66138-F</u>		RECEIVED JAN 16 2008 WATER RESOURCES STATE ENGINEER COLO.						
2. WELL OWNER INFORMATION NAME OF OWNER <u>Santa Fe Springs LLC</u>								
MAILING ADDRESS <u>31 E Platte Ave #200</u>								
CITY <u>Colorado Springs</u>	STATE <u>CO</u>		ZIP CODE <u>80903</u>					
TELEPHONE # <u>(719) 442-2376</u>								
3. WELL LOCATION AS DRILLED: <u>NW 1/4, NW 1/4 Sec. 10, Twp. 13</u> <input type="checkbox"/> N or <input checked="" type="checkbox"/> S, Range <u>4</u> <input type="checkbox"/> E or <input checked="" type="checkbox"/> W DISTANCES FROM SEC. LINES: <u>1000</u> ft. from <input checked="" type="checkbox"/> N or <input type="checkbox"/> S section line and <u>250</u> ft. from <input type="checkbox"/> E or <input checked="" type="checkbox"/> W section line. SUBDIVISION: _____ LOT _____ BLOCK _____ FILING (UNIT) _____ Optional GPS Location: GPS Unit must use the following settings: Format must be UTM, Units Easting: _____ must be meters, Datum must be NAD83, Unit must be set to true N, <input type="checkbox"/> Zone 12 or <input type="checkbox"/> Zone 13 Northing: _____								
STREET ADDRESS AT WELL LOCATION:								
4. PUMP DATA: Type: <u>Submersible</u> Date Installed: <u>1-3-08</u> Pump Manufacturer: <u>ESP</u> Pump Model No. <u>Type TE5500 Series TR5</u> Design GPM: <u>100-250 RPM Variable</u> HP <u>150</u> Volts <u>480</u> Full Load Amps <u>277</u> Pump Intake Depth: <u>1855</u> Feet, Drop/Column Pipe Size <u>2 7/8</u> inches, Kind of Drop Pipe <u>FUE Tubing</u> ADDITIONAL INFORMATION FOR PUMPS GREATER THAN 50 GPM: Turbine Driver Type: <input type="checkbox"/> Electric <input type="checkbox"/> Engine <input type="checkbox"/> Other _____ <table border="0" style="width:100%"> <tr> <td>Design Head</td> <td>feet</td> <td>Number of Stages</td> <td><u>41</u></td> <td>Shaft size</td> <td>inches</td> </tr> </table>			Design Head	feet	Number of Stages	<u>41</u>	Shaft size	inches
Design Head	feet	Number of Stages	<u>41</u>	Shaft size	inches			
5. OTHER EQUIPMENT: Airline Installed <input type="checkbox"/> Yes <input type="checkbox"/> No, Orifice Depth ft. _____ Monitor Tube Installed <input type="checkbox"/> Yes <input type="checkbox"/> No, Depth ft. _____ Flow Meter Mfg. _____ Meter Serial No. _____ Meter Readout: <input type="checkbox"/> Gallons, <input type="checkbox"/> Thousand Gallons, <input type="checkbox"/> Acre feet Beginning Reading _____								
6. TEST DATA: <input type="checkbox"/> check box if Test Data is submitted on Supplemental Form. Date: <u>1-3-08</u> Total Well Depth: <u>1976</u> ft. Time: _____ Static Level: <u>1280</u> ft. Rate (gpm): <u>250</u> Date Measured: <u>12-16-07</u> Pumping Level (ft): <u>1597 while pumping 250 gpm</u>								
7. DISINFECTION: Type <u>HTH</u> Amt. Used <u>6.02</u>								
8. Water Quality analysis available: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please submit with this report.								
9. Remarks: _____								
10. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed and certified in accordance with Rule 17.4 of the Water Well Construction Rules, 2 CCR 402-2. [The filing of a document that contains false statements is a violation of section 37-91-108(1)(e), C.R.S., and is punishable by fines up to \$5000 and/or revocation of the contracting license.]								
Company Name: <u>Kurau Drilling LLC</u>	Phone: <u>719-683-3720</u>	License Number: <u>1148</u>						
Mailing Address: <u>23945 Lucky Lane, Canon, CO 80808</u>								
Signature: <u>Jim Kurau</u>	Print Name and Title: <u>Jim Kurau, manager</u>	Date: <u>1-15-08</u>						

2 x 14ab

3/17/08

COLORADO DIVISION OF WATER RESOURCES DEPARTMENT OF NATURAL RESOURCES 1313 SHERMAN ST, RM 818, DENVER, CO 80203 phone - info: (303) 866-3587 main: (303) 866-3581 fax: (303) 866-3589 http://www.water.state.co.us		Office Use Only Form GWS-45 (06/2006)	
GENERAL PURPOSE Water Well Permit Application Review instructions on reverse side prior to completing form. The form must be completed in black or blue ink or typed.		RECEIVED JAN 28 2008 WATER RESOURCES STATE ENGINEER COLO.	
1. Applicant Information Name of applicant Santa Fe Springs, LLC		6. Use Of Well (check applicable boxes) Attach a detailed description of uses applied for. <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Other (describe): <input type="checkbox"/> Municipal As per 457-BD <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial	
Mailing address 31 E. PLATTE AVE. # 200		7. Well Data (proposed) Maximum pumping rate Annual amount to be withdrawn 500 gpm 800 acre-feet	
City Colo. Springs	State CO	Zip code 80903	Total depth See Log ± 2025 feet
Telephone # () 719.442.2376	E-mail (Optional) -		Aquifer Laramie Fox Hills
2. Type Of Application (check applicable boxes) <input type="checkbox"/> Construct new well <input checked="" type="checkbox"/> Use existing well <input type="checkbox"/> Replace existing well <input type="checkbox"/> Change or increase use <input type="checkbox"/> Change source (aquifer) <input type="checkbox"/> Reapplication (expired permit) <input type="checkbox"/> Other:		8. Land On Which Ground Water Will Be Used Legal Description (may be provided as an attachment): As per 457-BD	
3. Refer To (if applicable) Well permit # Water Court case # 276133		Designated Basin Determination # Well name or # 457-BD	
4. Location Of Proposed Well County EL PASO NW 1/4 of the NW 1/4			
Section 10	Township 13	N or S <input checked="" type="checkbox"/> N <input type="checkbox"/> S	Range 64
E or W <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Principal Meridian 6th	
Distance of well from section lines (section lines are typically not property lines) 1000 Ft. from <input checked="" type="checkbox"/> N <input type="checkbox"/> S 250 Ft. from <input type="checkbox"/> E <input checked="" type="checkbox"/> W			
For replacement wells only - distance and direction from old well to new well feet direction			
Well location address (include City, State, Zip) <input type="checkbox"/> Check if well address is same as in Item 1.			
Optional: GPS well location information in UTM format You must check GPS unit for required settings as follows: Format must be UTM <input type="checkbox"/> Zone 12 or <input type="checkbox"/> Zone 13 Units must be Meters Datum must be NAD83 Unit must be set to true north Was GPS unit checked for above? <input type="checkbox"/> YES Remember to set Datum to NAD83			
5. Parcel On Which Well Will Be Located (PLEASE ATTACH A CURRENT DEED FOR THE SUBJECT PARCEL)		9. Proposed Well Driller License # (optional): 10. Signature Of Applicant(s) Or Authorized Agent The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge. Signature (Must be original signature) Date Purushottam Dass 1.14.08	
A. Legal Description (may be provided as an attachment):		Print name & title PURUSHOTTAM DASS, AGENT	
B. # of acres in parcel		C. Owner cheuk Kwan	
D. Will this be the only well on this parcel? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (if no - list other wells)		Office Use Only USGS map name DWR map no. Surface elev. TO DIST, 2/12/08 600ft pp OK 2347ac ft see log 098500 meter Trans Number: 3625367 A 1/28/2008 2:25:49 PM Geoff Davis (21) Total Trans Amt: \$200.00 CHECK Check Number: 2304 Check Amount: \$200.00	
E. State Parcel ID# (optional):		WE ✓ WR ✓ CWCB ✓ TOPO ✓ MYLAR ✓ SB5 ✓ Domestic irrigation, commercial, industrial Recreation and livestock DIV <u>8</u> WD <u>10</u> BA <u>4</u> MD <u>12</u>	

PLW Inc
31 E. Platte Ave. Suite 200
Colorado Springs, CO 80903
Ph. (719) 442-2376 / Fax (719) 314-0184

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COLO.

November 29, 2007

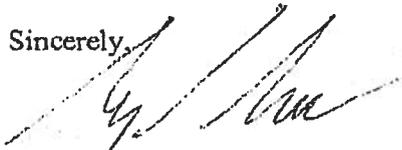
To Whom It May Concern:

This letter serves as formal notification that Dr. Purshottam Dass has full legal authorization to sign and amend water related applications made to the State of Colorado on behalf of PLW Inc. or Ellicott Springs, LLC or Santa Fe Springs, LLC or Triple Bar Ranch, LLC or Rodney J. Preisser.

All of the above entities are owned by Mr. Rodney Preisser and Dr. Dass is hereby authorized to sign and amend applications as an agent for all of the above.

If you have any further questions on this matter, please contact me at my office phone: (719) 442-2376 or on my cell phone at: (719) 339-9111.

Sincerely,



Rodney J. Preisser
Manager / Owner

SB50UT1

Santa Fe Spgs
3625367A

LOCATION: NW1/4 OF NW1/4 OF SEC. 10, T.13S., R.64W. (1000 NSL, 250 WSL)
LOCATION IS WITHIN THE UPPER BLACK SQUIRREL DESIGNATED GROUND WATER BASIN

Ground Elevation: 6770

Number of Acres: 6955

AQUIFER	ELEVATION		NET SAND	DEPTH TO		ANNUAL APPROP A-F	STATUS
	BOT.	TOP		BOT.	TOP		
UPPER DAWSON	---	---	---	---	---	---	---
LOWER DAWSON	---	---	---	---	---	---	---
DENVER	5872	6687	197.7	898	83	2337.94	NNT
UPPER ARAPAHOE	5362	5850	218.0	1408	920	2577.47	NT
LOWER ARAPAHOE	---	---	---	---	---	---	---
LARAMIE-FOX HILLS	4747	5033	217.7	2023	1737	2271.61	NT

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