D-19, Yellow Cat Well Controls and Meter

D-20, Point of Connection to City Water Line, At La Entrada, Near Hyde Park Road

D-21 Typical Fire Hydrant

APPENDIX E

CONCEPTUAL COST ESTIMATES

HYDE PARK ESTATES COOPERATIVE DOMESTIC WATER ASSOCIATION													
1	2	3	**4**	5	6	7	8	9	10	11	12	13	14
PART DESCRIPTION	**QUANTITY**	**UNIT**	**2014 UNIT VALUE**	**2014 TOTAL**	**AGE**	**RED. COST RATIO**	**ORIGINAL COST**	**ESTIMATED LIFE**	**REMAINING LIFE**	**SALVAGE VALUE**	**DEPRECIATION/ YEAR**	**TOTAL DEPRECIATION**	**TOTAL VALUE**
WELLS AND TANKS				.									
Well No. RG-19271-S-6 (Gusher Well)	450	LF	$150.00	$67,500.00	2010	0.04	$64,800.00	30	26	$0.00	$2,160.00	$8,640.00	$56,160.00
Well No. RG-19271-S-3 (Grey Wolf Well)	400	LF	$150.00	$60,000.00	1984	0.3	$42,000.00	30	0	$0.00	$1,400.00	$42,000.00	$0.00
Well No. RG-19271-S-4 (Yellow Cat Well)	450	LF	$150.00	$67,500.00	1994	0.2	$54,000.00	30	10	$0.00	$1,800.00	$36,000.00	$18,000.00
Gusher Well Submersible Pump	1	EA	$2,000.00	$2,000.00	2010	0.04	$1,920.00	20	16	$0.00	$96.00	$384.00	$1,536.00
Grey Wolf Well, 3hp, 7gpm Red Jacket Pump	1	EA	$2,000.00	$2,000.00	1984	0.3	$1,400.00	20	-10	$0.00	$70.00	$2,100.00	-$700.00
Yellow Cat Well, 20 gpm submesible pump	1	EA	$2,000.00	$2,000.00	1994	0.2	$1,600.00	20	0	$0.00	$80.00	$1,600.00	$0.00
30,000 Gallon Water Tank, East	1	EA	$45,000.00	$45,000.00	1986	0.28	$32,400.00	40	12	$10,000.00	$560.00	$15,680.00	$16,720.00
30,000 Gallon Water Tank, West	1	EA	$45,000.00	$45,000.00	1994	0.2	$36,000.00	40	20	$10,000.00	$650.00	$13,000.00	$23,000.00
BUILDINGS													
7'X3'X8' Cinder Block Water Tank Operation Room	1	EA	$2,000.00	$2,000.00	1986	0.28	$1,440.00	50	22	$1,000.00	$8.80	$246.40	$1,193.60
Cinder Block Enclosure and Gates for Water Tanks	1	EA	$4,000.00	$4,000.00	1986	0.28	$2,880.00	50	22	$2,000.00	$17.60	$492.80	$2,387.20
8.5' X 8.5'X 8' metal siding, Gusher Well Control Shed	1	EA	$2,000.00	$2,000.00	2010	0.04	$1,920.00	40	36	$500.00	$35.50	$142.00	$1,778.00
12" X 16", frame, stucco, Eva maintenace shack	1	EA	$5,000.00	$5,000.00	1990	0.24	$3,800.00	40	16	$500.00	$82.50	$1,980.00	$1,820.00
APPURTENANCES													
Fire Hydrants	6	EA	$3,000.00	$18,000.00	1996	0.18	$14,760.00	40	22	$200.00	$364.00	$6,552.00	$8,208.00
Valves-4"	12	EA	$400.00	$4,800.00	1980	0.34	$3,168.00	40	6	$100.00	$76.70	$2,607.80	$560.20
Electronic read meters, 7/8 "	76	EA	$170.00	$12,920.00	2000	0.14	$11,111.20	20	6	$0.00	$555.56	$7,777.84	$3,333.36
Connection valves, 7/8"	76	EA	$100.00	$7,600.00	1995	0.19	$6,156.00	40	21	$100.00	$151.40	$2,876.60	$3,279.40
4" diameter cast iron pipe	9591	LF	$10.00	$95,910.00	1980	0.34	$63,300.60	50	16	$100.00	$1,264.01	$42,976.41	$20,324.19
2" diameter pvc pipe	5099	LF	$14.00	$71,386.00	1980	0.34	$47,114.76	50	16	$0.00	$942.30	$32,038.04	$15,076.72
4" UV Filter	1	EA	$1,000.00	$1,000.00	2008	0.06	$940.00	20	14	$50.00	$44.50	$267.00	$673.00
TOTALS				$515,616.00			$390,710.56			$24,550.00		$217,360.88	$173,349.68

APPENDIX F-1

WATER RIGHT DOUMENTS

Revised August 1966

IMPORTANT — READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM.

LITTLE EVA WELL

Declaration of Owner of Underground Water Right

Rio Grande Underground Water Basin
BASIN NAME

Declaration No. RG-19271 Date received July 15, 1971

STATEMENT

1. Name of Declarant Walter J. Keesing DBS Hyde Park Estates de Santa Fe
Mailing Address P. O. Box 4475, Santa Fe, New Mexico 87501
County of Santa Fe, State of New Mexico

2. Source of water supply shallow
(artesian or shallow water aquifer)

3. The well is located in the ¼ NE ¼, SW ¼ of section 9, Township 17 N, Range 10E, N.M.P.M. or Tract 42 Map No. _____ on land owned by Declarent
Resurvey of T.17N., R.10E., in general land office dated 4/7/29

4. Description of well: date drilled Oct. 1959 driller Red Top Drilling Co. depth 150 feet, outside diameter of casing 6¼ LD. inches; original capacity 40 gal. per min.; present capacity 30 to 32 gal. per min.; pumping lift 143 feet; static water level 105 feet (above) (below) land surface; make and type of pump 5 horsepower Single phase - Reda
make, type, horsepower, etc., of power plant electric
Fractitional or percentage interest claimed in well 100

5. Quantity of water appropriated and beneficially used see attached
(acre feet per acre) (acre feet per annum)
for see attached purposes.

6. Acreage actually irrigated N/A acres, located and described as follows (describe only lands actually irrigated):

Subdivision	Sec.	Twp.	Range	Acres Irrigated	Owner
Hyde Park Estates de Santa Fe being					
Tr. 41 and 42 in Sections 9 and 16					
T.17N., R.10E., of resurvey of					
T.17N., R.10E., in general Land Office					
of 4/7/29					Walter J. Keesing

(Note: location of well and acreage actually irrigated must be shown on plat on reverse side.)

7. Water was first applied to beneficial use Oct. (month) 15th (day) 1959 (year) and since that time has been used fully and continuously on all of the above described lands or for the above described purposes except as follows: _____

8. Additional statements or explanations Existing water distribution system consists of 4-inch cast iron from the wells tied into two storage tanks totaling 20,000 gallons.

I, Walter J. Keesing being first duly sworn upon my oath, depose and say that the above is a full and complete statement prepared in accordance with the instructions on the reverse side of this form and submitted in evidence of ownership of a valid underground water right, that I have carefully read each and all of the items contained therein and that the same are true to the best of my knowledge and belief.

Walter J. Keesing, declarant.

by: _____

Subscribed and sworn to before me this 15th day of July, A.D. 1971

My commission expires Feb. 19, 1973 _____ Notary Public

FILED
UNDER NEW MEXICO LAW A FILING IS ONLY A STATEMENT OF DECLARANT'S CLAIM.
ACCEPTANCE FOR FILING DOES NOT CONSTITUTE APPROVAL OR REJECTION OF THE CLAIM.

1971 JUL 15 PM 1:03

STATE ENGINEER OFFICE
RECEIVED
1971 JUL 19 AM 8:39

ATTACHMENT:

This well along with two other wells being declared are to be used to supply: (1) 96 residential lots presently subdivided; (2) 80 acres of land to be subdivided into 50 to 60 additional residential lots in the future; (3) a 120 room overnight lodge; (4) service station; (5) cafe; and (6) a 7-11 type store.

Estimates of diversion for above uses are as follows: (1 and 2) residential at 0.5 acre feet per lot for 156 lots = 78 acre feet per year; (3) 120 rooms at 40 gallons per day per room = 5.4 acre feet per year; (4) service station = 1.0 acre foot per year; (5) cafe 150 customers per day average x 10 gallons per customer = 1.68 acre feet per year; (6) a 7-11 type store (at 200 gallons per day) = 0.22 acre feet per year.

Total estimated diversion: 86.30 acre feet per year.

This declaration is a declaration of intention to appropriate water from this well and the two other wells to supply the uses listed above. The estimated amounts are believed to be reasonable, but are subject to change as the actual measured amounts necessary for the various uses are determined.

The original capacities of the three wells are: (1) 40 gallons per minute from "Little Eva" well; (2) 25 gallons per minute from "Alice Anne" well and (3) 30 gallons per minute from "Yellow Cat" well for a total production of 95 gallons per minute. Based on 100% pumping time the wells will produce $\frac{95 \times 1440 \times 365}{325,851}$ = 153.24 acre feet per year.

For the type of operation proposed, it is unreasonable to assume that a well will be pumped 100% of the time. I feel a reasonable average pumping time for a year is 66%. Based on 60% of the time the wells can produce 91.94 acre feet per year.

The intent under this declaration is to develop the 86.3 acre feet per annum.

1971 JUL 19 AM 8:39
STATE ENGINEER OFFICE
DISTRICT I
ALBUQUERQUE, NEW MEX.

Revised August 1966

IMPORTANT — READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM.

YELLOW CAT

Declaration of Owner of Underground Water Right

Rio Grande Underground Water Basin
BASIN NAME

Declaration No. RG-19271-S Date received July 15, 1971

STATEMENT

1. Name of Declarant Walter J. Keesing DBS Hyde Park Estates de Santa Fe
Mailing Address P. O. Box 4475, Santa Fe, New Mexico 87501
County of Santa Fe, State of New Mexico

2. Source of water supply shallow
(artesian or shallow water aquifer)

3. The well is located in the ¼, NE ¼, SW ¼ of section 9, Township 17 N. Range 10 E. N.M.P.M. or Tract 42 Map No. on land owned by Declarant
Resurvey of T.17N., R.10E., in general Land Office dated 4/7/29

4. Description of well: date drilled Aug. 1962 driller Red Top Drilling Co. depth 365 feet, outside diameter of casing 6 5/8 inches; original capacity 30 gal. per min.; present capacity 25 gal. per min.; pumping lift 345 feet; static water level 320 feet (~~above~~) (below) land surface; make and type of pump 3 horsepower Single phase
make, type, horsepower, etc., of power plant electric
Fractitional or percentage interest claimed in well 100%

5. Quantity of water appropriated and beneficially used see attached
(acre feet per acre) (acre feet per annum)
for see attached purposes.

6. Acreage actually irrigated N/A acres, located and described as follows (describe only lands actually irrigated):

Subdivision	Sec.	Twp.	Range	Acres Irrigated	Owner
Hyde Park Estates de Santa Fe being					
Tr. 41 and 42 in Sections 9 and 16					
T.17N., R.10E., of resurvey of					
T.17N., R.10E., in general Land Office					
of 4/7/29					Walter J. Keesing

(Note: location of well and acreage actually irrigated must be shown on plat on reverse side.)

7. Water was first applied to beneficial use Aug. (month) 31 (day) 1962 (year) and since that time has been used fully and continuously on all of the above described lands or for the above described purposes except as follows:

8. Additional statements or explanations Existing water distribution system consists of 4-inch cast iron from the wells tied into two storage tanks totaling 20,000 gallons.

I, Walter J. Keesing being first duly sworn upon my oath, depose and say that the above is a full and complete statement prepared in accordance with the instructions on the reverse side of this form and submitted in evidence of ownership of a valid underground water right, that I have carefully read each and all of the items contained therein and that the same are true to the best of my knowledge and belief.

Walter J. Keesing, declarant.

by:

Subscribed and sworn to before me this 15th day of July, A.D. 19 71

My commission expires Feb. 19, 1973 Notary Public

FILED

UNDER NEW MEXICO LAW A DECLARATION IS ONLY A STATEMENT OF DECLARANT'S CLAIM. ACCEPTANCE FOR FILING DOES NOT CONSTITUTE APPROVAL OR PROTECTION OF THE CLAIM.

1971 JUL 15 PM 1:41 STATE ENGINEER OFFICE ALBUQUERQUE, N.M.

1971 JUL 9 AM 8:39 STATE ENGINEER OFFICE ALBUQUERQUE, N.M.

ATTACHMENT:

This well along with two other wells being declared are to be used to supply: (1) 96 residential lots presently subdivided; (2) 80 acres of land to be subdivided into 50 to 60 additional residential lots in the future; (3) a 120 room overnight lodge; (4) service station; (5) cafe; and (6) a 7-11 type store.

Estimates of diversion for above uses are as follows: (1 and 2) residential at 0.5 acre feet per lot for 156 lots = 78 acre feet per year; (3) 120 rooms at 40 gallons per day per room = 5.4 acre feet per year; (4) service station = 1.0 acre foot per year; (5) cafe 150 customers per day average x 10 gallons per customer = 1.68 acre feet per year; (6) a 7-11 type store (at 200 gallons per day)= 0.22 acre feet per year.

Total estimated diversion: 86.30 acre feet per year.

This declaration is a declaration of intention to appropriate water from this well and the two other wells to supply the uses listed above. The estimated amounts are believed to be reasonable, but are subject to change as the actual measured amounts necessary for the various uses are determined.

The original capacities of the three wells are: (1) 40 gallons per minute from "Little Eva" well; (2) 25 gallons per minute from "Alice Anne" well and (3) 30 gallons per minute from "Yellow Cat" well for a total production of 95 gallons per minute. Based on 100% pumping time the wells will produce $\frac{95 \times 1440 \times 365}{325,851}$ = 153.24 acre feet per year.

For the type of operation proposed, it is unreasonable to assume that a well will be pumped 100% of the time. I feel a reasonable average pumping time for a year is 66%. Based on 60% of the time the wells can produce 91.94 acre feet per year.

The intent under this declaration is to develop the 86.3 acre feet per annum.

1971 JUL 19 AM 8:39
STATE ENGINEER OFFICE
RECEIVED
ALBUQUERQUE, N.M.

Revised August 1966

IMPORTANT — READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM.

ALICE ANNE WELL

Declaration of Owner of Underground Water Right

Rio Grande Underground Water Basin
BASIN NAME

Declaration No. RG-19271-S-2 Date received July 15, 1971

STATEMENT

1. Name of Declarant Walter J. Keesing DBS Hyde Park Estates de Santa Fe
Mailing Address P. O. Box 4475, Santa Fe, New Mexico 87501
County of Santa Fe, State of New Mexico

2. Source of water supply Shallow
(artesian or shallow water aquifer)

3. The well is located in the ¼, SW¼SE¼ ¼ of section 9, Township 17 N., Range 10E, N.M.P.M. or Tract 42 Map No. _____ on land owned by Declarent
Resurvey of T.17N.,R.10E., in general Land Office dated 4/7/29

4. Description of well: date drilled Sept. 1959 driller Red Top Drilling Co. 258 depth feet.
outside diameter of casing 6½ inches; original capacity 25 gal. per min.; present capacity 12 gal. per min.; pumping lift 258 feet; static water level 241 feet (above) (below) land surface;
make and type of pump 1 horsepower Reda
make, type, horsepower, etc., of power plant electric
Fractitional or percentage interest claimed in well 100%

5. Quantity of water appropriated and beneficially used see attached
(acre feet per acre) (acre feet per annum)
for see attached purposes.

6. Acreage actually irrigated N/A acres, located and described as follows (describe only lands actually irrigated):

Subdivision	Sec.	Twp.	Range	Acres Irrigated	Owner
Hyde Park Estates de Santa Fe being					
Tr. 41 and 42 in Sections 9 and 16					
T.17N., R.10E., of resurvey of					
T.17N., R.10E., in general Land Office					
of 4/7/29					Walter J. Keesing

(Note: location of well and acreage actually irrigated must be shown on plat on reverse side.)

7. Water was first applied to beneficial use Oct. (month) 1 (day) 1959 (year) and since that time has been used fully and continuously on all of the above described lands or for the above described purposes except as follows:

8. Additional statements or explanations Existing water distribution system consists of 4-inch cast iron from the wells tied into two storage tanks totaling 20,000 gallons.

I, Walter J. Keesing being first duly sworn upon my oath, depose and say that the above is a full and complete statement prepared in accordance with the instructions on the reverse side of this form and submitted in evidence of ownership of a valid underground water right, that I have carefully read each and all of the items contained therein and that the same are true to the best of my knowledge and belief.

[signature], declarant.

by: _____

Subscribed and sworn to before me this 15th day of July, A.D. 19 71

My commission expires Feb. 19, 1973 FILED _____ Notary Public

UNDER NEW MEXICO LAW A DECLARATION IS ONLY A STATEMENT OF DECLARANT'S CLAIM. ACCEPTANCE FOR FILING DOES NOT CONSTITUTE APPROVAL OR REJECTION OF THE CLAIM.

ATTACHMENT:

This well along with two other wells being declared are to be used to supply: (1) 96 residential lots presently subdivided; (2) 80 acres of land to be subdivided into 50 to 60 additional residential lots in the future; (3) a 120 room overnight lodge; (4) service station; (5) cafe; and (6) a 7-11 type store.

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Total estimated diversion: 86.30 acre feet per year.

This declaration is a declaration of intention to appropriate water from this well and the two other wells to supply the uses listed above. The estimated amounts are believed to be reasonable, but are subject to change as the actual measured amounts necessary for the various uses are determined.

5701

The original capacities of the three wells are: (1) 40 gallons per minute from "Little Eva" well; (2) 25 gallons per minute from "Alice Anne" well and (3) 30 gallons per minute from "Yellow Cat" well for a total production of 95 gallons per minute. Based on 100% pumping time the wells will produce $\frac{95 \times 1440 \times 365}{325,851}$ = 153.24 acre feet per year.

For the type of operation proposed, it is unreasonable to assume that a well will be pumped 100% of the time. I feel a reasonable average pumping time for a year is 66%. Based on 60% of the time the wells can produce 91.94 acre feet per year.

The intent under this declaration is to develop the 86.3 acre feet per annum.

1971 JUL 19 AM 3 40
STATE ENGINEER OFFICE
DECLARATIONS

Form WR-23

STATE ENGINEER OFFICE

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(Plat of 640 acres)

(A) Owner of well W. J. Keesing Hyde Park Estates

Street and Number P. O. Box 4475

City Santa Fe, State New Mexico 87501

Well was drilled under Permit No. RG-19271 and is located in the ¼ NE ¼ SW ¼ of Section 9 Twp. 17 N. Rge. 10 E.

(B) Drilling Contractor Lloyd Scott License No. 506

Street and Number 1205 California, N. E.

City Albuquerque, State New Mexico 87110

Drilling was commenced ..... 19....

Drilling was completed July 22, 19 71

Elevation at top of casing in feet above sea level ..... Total depth of well 150

State whether well is shallow or artesian Shallow Depth to water upon completion 109

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1				
2				
3				Serviced well
4				Bailor Test 22.7 gal per min @ 140 ft.
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used

Section 5 PLUGGING RECORD

Name of Plugging Contractor ..... License No. .....

Street and Number ..... City ..... State .....

Tons of Clay used ..... Tons of Roughage used ..... Type of roughage .....

Plugging method used ..... Date Plugged ..... 19....

Plugging approved by:

..... Basin Supervisor

Cement Plugs were placed as follows:

No.	Depth of Plug From	Depth of Plug To	No. of Sacks Used

FOR USE OF STATE ENGINEER ONLY

Date Received 1971 JUL 26 AM 10:03

File No. RG 19271 Use Dom Location No. 9 17N 10E

Form WR-23 STATE ENGINEER OFFICE

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(Plat of 640 acres)

(A) Owner of well W. J. Keesing Hyde Park Estates

Street and Number P. O. Box 4475

City Santa Fe State New Mexico 87501

Well was drilled under Permit No. RG-19271-S and is located in the ¼ NE ¼ SW ¼ of Section 9 Twp. 17N Rge. 10 E.

(B) Drilling Contractor Lloyd Scott License No. 506

Street and Number 1205 California, N. E.

City Albuquerque, State New Mexico 87110

Drilling was commenced ..... 19..

Drilling was completed July 16, 19 71

Elevation at top of casing in feet above sea level ..... Total depth of well 365

State whether well is shallow or artesian shallow Depth to water upon completion 245

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1				
2				Serviced well
3				Bailor Test 17½ gal. per min at 350 ft.
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used

1971 JUL 28 PM 12:30

Section 5 PLUGGING RECORD

Name of Plugging Contractor ..... License No. .....

Street and Number ..... City ..... State .....

Tons of Clay used ..... Tons of Roughage used ..... Type of roughage .....

Plugging method used ..... Date Plugged ..... 19....

Plugging approved by:

Basin Supervisor

Cement Plugs were placed as follows:

No.	Depth of Plug From	Depth of Plug To	No. of Sacks Used

FOR USE OF STATE ENGINEER ONLY

Date Received

STATE ENGINEER OFFICE
RECEIVED
1971 JUL 28 AM 10:09

File No. ..... Use ..... Location No. 9 17N 10E