GW - 41

GENERAL CORRESPONDENCE

YEAR(S):

2000-1954

State of New Mexico
Commissioner of Public Lands

RAY POWELL, M.S., D.V.M.
COMMISSIONER

310 OLD SANTA FE TRAIL P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

(505) 827-5760
FAX (505) 827-5766

March 8, 1994

Rosette, Inc.
P.O. Box 265A
Animas, New Mexico 88020
Attn: Mr. Dale Burgett
Burgett Geothermal Greenhouses, Inc.

Re : Proposal of State Royalty Calculations for the Burgett Greenhouse Operation in the proximity of Lordsburg, New Mexico.

Dear Mr. Burgett,

Our office has attempted to compile pertinent facts and findings as a basis to obtaining a reasonable method of calculating a fair and equitable royalty rate for the State Land Office for the utilization of geothermal resources from state lands. The facts and findings we obtained were necessary in order to establish a fair market value to the heating capacity of the geothermal resource that is currently in use on your operation. Natural gas was used as the alternative energy source for the purpose of assessing/estimating the heating cost expense that would be associated with your operation if this alternative fuel had to be used.

Estimates of natural gas usage and costs were obtained from the Gas Company of New Mexico, (GCNM) that encompassed residential and commercial properties of varying heat loss coefficients. Unfortunately, actual cost information was not available for the southern part of the state, however, the estimates that were obtained for the northern part of the state were adjusted fairly to reflect the higher monthly ambient temperature for the southwestern part of New Mexico. Average temperatures for the southern part of New Mexico are 20% higher with respect to low and high means when compared to northern New Mexico. Thus, this finding is reflected in the average monthly cost that was calculated for southern New Mexico by using 80% of the value calculated for the northern part of the state.

The following table reflects a summation of our findings and what we feel would be fair and equitable regarding royalty assessment for the use of geothermal resources on state trust lands.

1.4 mill Ft² / heating cost @ .50¢/Ft²
= 700,000⁰⁰ lease stipulates 2% for Direct use
± 14,000⁰⁰ year

Month	Commercial Natural Gas Use $/sq. ft. of space Santa Fe area	Lordsburg area	Total Cost to Burgett to Heat Current Facility Appr. 1,374,000 sq. ft.	State Royalty 10% of Total Cost
Jan.	0.025	0.0200	$27,480.00	$2,748.00
Feb.	0.020	0.0160	$21,984.00	$2,198.40
Mar.	0.018	0.0144	$19,785.60	$1,978.56
Apr.	0.011	0.0088	$12,091.20	$1,209.12
May	0.004	0.0032	$ 4,396.80	$ 439.68
Jun	0.000	0.0000	$ 0.00	$ 0.00
Jul	0.000	0.0000	$ 0.00	$ 0.00
Aug.	0.000	0.0000	$ 0.00	$ 0.00
Sep.	0.000	0.0000	$ 0.00	$ 0.00
Oct.	0.009	0.0072	$ 9,892.80	$ 989.28
Nov.	0.018	0.0144	$19,785.60	$1,978.56
Dec.	0.022	0.0176	$24,182.40	$2,418.24
Aver. Monthly	0.01058	0.008464	$11,629.54	$1,162.95
Total Annual			$139,554.43	$13,955.44

The preceding table and calculations can be condensed into one of the following formulas:

1) Royalty ($) Per Month = 0.008464 * (the total square footage of the structures being heated) Due to the State

If a standard height of 8' is accurate or is assumed for the structure(s).

OR

2) Royalty ($) Per Month = 0.001058 * (the total cubic footage of the structures being heated) Due to the State

If the height of the structure(s) is not standard.

The preceding table reflects the estimated costs associated with the current facility, approximately 1.374 million square feet. Understandably, the estimated total heating expense and the calculated state royalty will vary according to the size of the structure(s) being heated; for example, expansion of the facility may be considered, or a reduction in the size of the facility that would require heating may be considered. In addition, an adjustment in the formula will be necessary periodically to reflect the current price of natural gas that was used as a comparable alternative fuel. This will be necessary to reflect an increase or decrease in the estimated total heating expense, thus increasing or decreasing the calculated state royalty. Also, this proposal will eliminate the need to meter the water from the state lands since we feel metering will prove only to be an unnecessary hardship on the operation.

We would appreciate your review of the preceding table and your input so we may reach an agreement on this matter as soon as possible.

Sincerely,

Floyd O. Prando, Director
Oil, Gas & Minerals Division
(505) 827-5744

Burgett File

Bureau of Land Management
Las Cruces District Office
1800 Marquess Street
Las Cruces, New Mexico 88005
Phone: 505-525-4300
FAX Number: 505-525-4412

FACSIMILE TRANSMITTAL SHEET

DATE: 1-13-94

DELIVER TO: Roy Johnson OFFICE CODE: Senior Petroleum Geologist

FROM: Chuck O'Donnell
LAS CRUCES DISTRICT OFFICE, BLM

OF PAGES: 4 (includes transmittal sheet)

REMARKS: Johnson - Yokogawa : Scott Muir 602-486-4477

If telecopier does not transmit properly, please notify us at the above number.

OCD Fax 827-5741

FOR LCDO USE:

VERIFIED BY: _____

DATE VERIFIED: _____

RESULT: _____

OPERATOR: _____

Instruction Manual

Model YF100 Vortex Flowmeter (Style E)

(Integral Type, Remote Type)

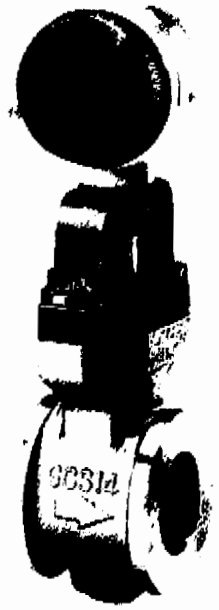
Model YFA11 Vortex Flow Converter

(Remote Type)

IM 1F2B4-01U

Model YF100-A
Integral Type
(With Indicator/Totalizer option)

Model YF011
Signal Cable



Model YF100-N
Remote Type Detector

Model YFA11
Remote Type Converter
(With Indicator/Totalizer Option)

JOHNSON YOKOGAWA

JOHNSON YOKOGAWA

IM 1F2B4-01U
1st Edition

Scott M. Muir 602-486-4477

Western Region Product Manager
Recorder & Control Products

Johnson Yokogawa Corp
P.O. Box 632

2. GENERAL DESCRIPTION

2.1 Outline

This vortex flowmeter measures liquid, gas and steam flow rates and converts them to a 4 to 20mA DC output or pulse output signal.

Since the converter is mounted independently from the flowmeter, it permits remote flow measurements of high temperature liquid, steam, etc.

The Integral Type Vortex Flowmeter (YF100-A) has the converter with the flowmeter, and measures liquid, gas and steam flow rates and converts them to 4 to 20mA DC output or pulse output signal.

The Remote Converter Type Vortex Flowmeter (YF100-NNN) is used with the Model YFA11 Vortex Flow Converter. A special cable (YF011) is used between these instruments.

2.2 Standard Specifications

Fluid to be Measured : Liquid, Gas or Steam.

Linear Flow Rates : Reynolds number of 20,000 to 7,000,000 (40,000 to 7,000,000 for 6- and 8-inch flowmeter). The relationship between the flow velocity and kinematic viscosity is shown in Figure 6.1. The relationship beween the minimum measurable flow rate and specific weight is shown in Figure 6.2.
If the flow rate corresponds to a Reynolds number between 5×10^3 and 2×10^4 (4×10^4), refer to section 6.1 Table 6.1.

Output Signal:

Analog output : 4 to 20mA DC.

Pulse output :

Low level ; 0 to 2V.

High level ; Vs−2V (Vs : input supply voltage)

Pulse width ; Approx. 50% duty cycle.
See Table 2.1 for the nominal pulse rate.

Accuracy:

Analog output ; ±0.8% of reading plus ±0.1% of full scale for Liquid.
±1.5% of reading plus ±0.1% of full scale for gas or steam.

Pulse output ; ±0.8% of reading for Liquid.
±1.5% of reading for gas or steam.

Ambient Temperature Limits : −40 to 80°C (−40 to 176°F).
−30 to 80°C (−22 to 176°F) : with Indicator Totalizer Option
−40 to 60°C (−40 to 140°F) : FM Explosion proof.

Process Temperature Limits : −40 to 300°C (−40 to 572°F). (Refer to Figure 2.1 for Integral Type.) ; If fluid temperature goes 300°C or more, high temperature version (HPT) will be recommended.

Ambient Humidity Limits : 5 to 100% RH.

Process Pressure Limits : Less than flange ratings.

Wetted Parts Materials :

Body ; ANSI CF8M stainless steel, or Hastelloy C (equivalent of ASTM494 CW12MW).

Vortex Shedder ; Duplex stainless steel, or Hastelloy C (equivalent of ASTM494 CW12MW).

Amplifier Case Assembly Material: Aluminum alloy casting

Coating Finish :

Amplifier case ; Polyurethane resin baked coating ;
Frosty white (equivalent to Munsell 2.5Y8.4/1.2)

Amplifier cover ; Polyurethane resin baked coating ;
Deep sea moss green (equivalent to Munsell 0.6GY3.1/2.0)

Power Supply and Load Resistance :

Analog output ; 17 to 42V DC, See Figure 2.2.

Pulse output ; Supply voltage 14 to 30V DC

Maximum load wire resistance ; 50Ω.

Maximum line capacitance ; 0.22μF.

Enclosure Classification : NEMA Protection Type 4 Watertight and Dust-tight.

Electrical Classification :
- Approved by FM Explosionproof
  - Explosionproof for : Class I, Division 1, Groups B, C and D.
  - Dust ignitionproof for: Class II, Division 1, Groups E, F and G.
  - Suitable for : Class III, Division 1
  - Temperature Class : T6
  - Outdoor NEMA Type 4 Hazardous location
- Approved by CSA Explosionproof
  - Explosionproof for : Class I, Groups C and D Division 1 and 2
  - Dust ignitionproof for: Class II, Group E, F and G Division 1 and 2
  - Suitable for : Class III, Division 1 and 2

Electrical Connection : ANSI 1/2NPT.

Weight : See external dimensions.

Signal Cable : Model YF011 cable, used for remote detector and converter.
- Outer Sheath Material : Black heat resistance polyethylene
- Durable Temperature : −40 to +150°C (−40 to +302°F)

Maximum length : 20m (65ft)

Notice Of Publication
State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Notice is hereby given that pursuant to New Mexico Water Quality Control Commision Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-41) Burgett Greenhouse, Dale Burgett, Box 265A, Animas, New Mexico 88020, has submitted a groundwater discharge plan renewal for the facility located in Section 7, Township 25 South, Range 19 West, Hidalgo County, New Mexico. A maximum volume of 336,000 gallons per day of cooled geothermal water with a total dissolved solids content of 1115 ppm will be discharged during the winter months to irrigate farm land. No discharge is anticipated during the summer months. Groundwater most likely to be affected by such discharge is geothermal and has a total dissolved solids content of 1195 ppm at a depth of 60 feet.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division Shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commision at Santa Fe, New Mexico, on this Twenty-second (22nd) day of March, 2000.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
Lori Wrotenbery, Director

1tc

AFFIDAVIT OF PUBLICATION

State of New Mexico)
) SS.
County of Hidalgo)

Brenda Collins, being first duly sworn, says that she is the editor of The Independent Lordsburg Liberal, a weekly newspaper of general circulation, published in the City of Lordsburg, County of Hidalgo, State of New Mexico, and has been such during the time herein under mentioned, and that the advertisement headed:

Burgetts Greenehouse, Animas, NM

A copy of which is herein attached, was printed and published in every copy of each issue of said newspaper for a period of 1 consecutive weeks to wit:
First publication *April 7, 2000*, and the last publication *April 7, 2000.*

Publication fee $ 38.28

Brenda Collins
Editor

State of New Mexico)
)SS.
County of Hidalgo)

Subscribed and sworn before me May 4, 2000

Deborah K. Greene
Notary Public

My commission expires: October 29, 2000

AFFIDAVIT OF PUBLICATION

COUNTY OF CHAVES
STATE OF NEW MEXICO

I, Fran Saunders
Legals Clerk

Of the Roswell Daily Record, a daily newspaper published at Roswell, New Mexico, do solemnly swear that the clipping hereto attached was published in the regular and entire issue of said paper and not in a supplement thereof for a period of:

one time

beginning with issue dated
April 27th 2000

and ending with the issue dated
April 27th 2000

.....

Fran Saunders
Clerk

Sworn and subscribed to before me

This 1st day of
May 2000

Marylon L. Shippers
Notary Public

My Commission expires
July 25, 2002

(SEAL)

Publish, April 27, 2000

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control commission Regulations, the following discharge plan application has been submitted to the director of the Oil Conservation division, 2040 south Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

GW-50 Agave Energy Company, Paula Haggith, Engineer has submitted a discharge plan renewal application for their Ned State (GW 50-04) natural gas compressor station located in the SE/4 NE/4 of Section 4, Township 9 South, Range 32 East, NMPM, Chaves County, New Mexico. A total estimated volume of 5 to 50 barrels per day of produced water, lube oil, spent glycol and arsenic removal solids is discharged to above ground drums/tanks prior to off site disposal at an OCD approved disposal facility. Groundwater most likely to be affected by an accidental spill is at a depth greater than 160 feet with a total dissolved solids concentration ranging from 2400 to 8200 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. a hearing will be held if the Director determines there is significant public interest.

if no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this twelfth (12th) day of April, 2000.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION.
Roger Anderson
for LORI WROTENBERY, Director

S E A L

The Santa Fe New Mexican

Since 1849. We Read You.

RECEIVED
APR - 4 2000
OIL CONSERVATION DIVISION

NM OIL CONSERVATION DIVISION
ATTN: DONNA DOMINGUEZ
2040 S. PACHECO ST.
SANTA FE, NM 87505

AD NUMBER: 140181 ACCOUNT: 56689
LEGAL NO: 67129 P.O.#: 00199000278
171 LINES 1 time(s) at $ 75.38
AFFIDAVITS: 5.25
TAX: 5.04
TOTAL: 85.67

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE
I, B Perner being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication #67129 a copy of which is hereto attached was published in said newspaper 1 day(s) between 03/31/2000 and 03/31/2000 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 31 day of March, 2000 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ Betsy Perner
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 31 day of March A.D., 2000

Notary Candace R. Dunton

Commission Expires 11/16/2003

OK to pay
Ed Martin

NOTICE OF PUBLICATION

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this ***Twenty-second (22nd) day of March, 2000.***

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
LORI WROTENBERY, Director

Legal #67129
Pub. March 31, 2000

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this ***Twenty-second (22nd) day of March, 2000.***

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

for LORI WROTENBERY, Director

S E A L

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

March 23, 2000

Mr. Dale Burgett
Box 265 A
Animas, New Mexico 88020

RE: Discharge Plan GW-41
Burgett Greenhouse
Hidalgo County, New Mexico

Dear Mr. Burgett:

Thank you very much for showing us around your property last week. It was very informative and interesting.

Enclosed is a copy of our inspection report prepared during our visit and copies of all the photographs Wayne Price took during the tour.

Again, thanks for the hospitality and if you require further information, please do not hesitate to contact me.

Sincerely yours,

Ed Martin
Environmental Bureau

Z 559 572 846

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail *(See reverse)*

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Return Receipt Showing to Whom, Date, & Addressee's Address	$
TOTAL Postage & Fees	$
Postmark or Date	

NM 87502 MAR 28 2000 USPS

PS Form 3800, April 1995

GW-41 - EM

Burgett

OCD ENVIRONMENTAL BUREAU

SITE INSPECTION SHEET

DATE: 3/15/00 Time: 9AM

Type of Facility: Refinery ☐ Gas Plant ☐ Compressor St. ☐ Brine St. ☐ OilField Service Co. ☐
Surface Waste Mgt. Facility ☐ E&P Site ☐ Crude Oil Pump Station ☐
Other ☒ GEO-THERMAL

Discharge Plan: No ☐ Yes ☒ DP# GW-041

FACILITY NAME: BURGETTS ROSE FACTORY

PHYSICAL LOCATION: ≈ 15 MILES SW of LORDSBURG NM

Legal: QRT ___ QRT SW Sec 7 TS 25S R 19W County HIDALGO

OWNER/OPERATOR (NAME) BURGETT GEOTHERMAL GREENHOUSES, INC.

Contact Person: DALE BURGETT Tele:# 505-548-2353

MAILING
ADDRESS: BOX 265-A ANIMAS NM State NM ZIP 88020

Owner/Operator Rep's: DALE BURGETT

OCD INSPECTORS: W PRICE + ED MARTIN

1. **Drum Storage:** All drums containing materials other than fresh water must be stored on an impermeable pad with curbing. All empty drums will be stored on their sides with the bungs in and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets will also be stored on an impermeable pad and curb type containment.

OK

2. **Process Areas:** All process and maintenance areas which show evidence that leaks and spills are reaching the ground surface must be either paved and curbed or have some type of spill collection device incorporated into the design.

OK

3. **Above Ground Tanks:** All above ground tanks which contain fluids other than fresh water must be bermed to contain a volume of one-third more than the total volume of the largest tank or of all interconnected tanks. All new tanks or existing tanks that undergo a major modification, as determined by the Division, must be placed within an impermeable bermed enclosure.

FUEL TANKS DO NOT HAVE PROPER CONTAINMENT

4. **Above Ground Saddle Tanks:** Above ground saddle tanks must have impermeable pad and curb type containment unless they contain fresh water or fluids that are gases at atmospheric temperature and pressure.

SAME AS #3

5. **Labeling:** All tanks, drums and containers will be clearly labeled to identify their contents and other emergency notification information.

OK

6. **Below Grade Tanks/Sumps:** All below grade tanks, sumps, and pits must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design. All pre-existing sumps and below-grade tanks must demonstrate integrity on an annual basis. Integrity tests include pressure testing to 3 pounds per square inch above normal operating pressure and/or visual inspection of cleaned out tanks and/or sumps, or other OCD approved methods. The OCD will be notified at least 72 hours prior to all testing.

N.A.

7. **Underground Process/Wastewater Lines:** All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity at present and then every 5 years thereafter, or prior to discharge plan renewal. The permittee may propose various methods for testing such as pressure testing to 3 pounds per square inch above normal operating pressure or other means acceptable to the OCD. The OCD will be notified at least 72 hours prior to all testing.

N.A.

8. **Onsite/Offsite Waste Disposal and Storage Practices:** Are all wastes properly characterized and disposed of correctly? Does the facility have an EPA hazardous waste number? _____ **Yes** _____ **No**

ARE ALL WASTE CHARACTERIZED AND DISPOSED OF PROPERLY? YES ☑ **NO** ☐ **IF NO DETAIL BELOW.**

9. **Class V Wells:** Leach fields and other wastewater disposal systems at OCD regulated facilities which inject non-hazardous fluid into or above an underground source of drinking water are considered Class V injection wells under the EPA UIC program. All Class V wells that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes will be closed unless it can be demonstrated that groundwater will not be impacted in the reasonably foreseeable future. Closure of Class V wells must be in accordance with a plan approved by the Division's Santa Fe Office. The OCD allows industry to submit closure plans which are protective of human health, the environment and groundwater as defined by the WQCC, and are cost effective. Class V wells that inject domestic waste only must be permitted by the New Mexico Environment Department.

ANY CLASS V WELLS **NO** ☑ **YES** ☐ IF YES DESCRIBE BELOW ! Undetermined ☐

10. **Housekeeping:** All systems designed for spill collection/prevention will be inspected weekly and after each storm event to ensure proper operation and to prevent overtopping or system failure. A record of inspections will be retained on site for a period of five years.

GOOD

11. **Spill Reporting:** All spills/releases will be reported pursuant to OCD Rule 116 and WQCC 1203 to the proper OCD District Office.

OK

12. **Does the facility have any other potential environmental concerns/issues?**

NONE OBSERVED

13. **Does the facility have any other environmental permits - i.e. SPCC, Stormwater Plan, etc.?**

14. **ANY WATER WELLS ON SITE ?** **NO** ☐ **YES** ☑ **IF YES, HOW IS IT BEING USED ?**

GEO-THERMAL WELLS ONLY

Miscellaneous Comments:

Number of Photos taken at this site: 15
attachments-

BURGETTS ROSE FACTORY
GW-041 March 15, 2000
pictures by Wayne Price-OCD


Geothermal Well located north of facility located on NMSLO lands.


Rankine cycle pentane gas-liquid turbine and induction generator.


Same as above-looking SE.


Cooling water (fresh water) pond. Looking east.


Geothermal water discharge area east side of greenhouses. Looking south.


Wayne Price (OCD) Inside one of the greenhouse.

BURGETTS ROSE FACTORY
GW-041 March 15, 2000
pictures by Wayne Price-OCD

Geothermal water discharge ditch-looking North.

7000 foot deep geothermal well.

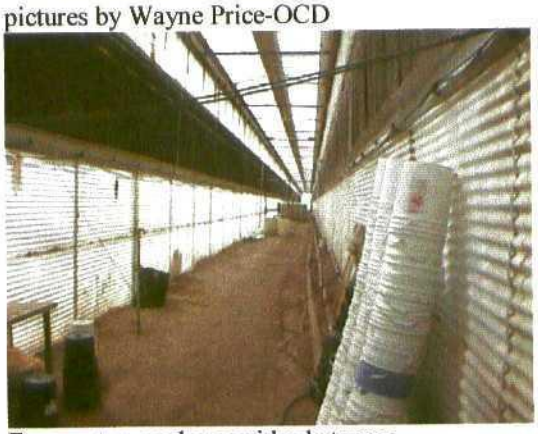
First geothermal well on site and rankine cycle system. Dale Burgett and Ed Martin(OCD)

Geothermal water discharge ditch-looking North. Picture taken at bridge entering site. Ducks and fish were observed in the water.

Burgett fresh water well located 10,000 feet west of facility. TDS 300 mg/l. depth of water is 60 feet BGS.

Roses in cold room.

BURGETTS ROSE FACTORY
GW-041 March 15, 2000
pictures by Wayne Price-OCD



Evaporator cooler corridor between greenhouses.

Geothermal heating pipe inside one of the greenhouses.

Greenhouse alley looking south.

Inside one of the greenhouse.

Geothermal water discharge ditch looking south. Located west of facility. Ditch flows to the north and west.

BURGETTS ROSE FACTORY
GW-041 March 15, 2000
pictures by Wayne Price-OCD

Greenhouse

Cold room

Drying room for potourri sales.

Diesel and gasoline tanks

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

November 10, 1999

CERTIFIED MAIL
RETURN RECEIPT NO. P 410 425 205

Mr. Dale Burgett
Box 265 A
Animas, New Mexico 88020

RE: Discharge Plan GW-41
Burgett Greenhouse
Hidalgo County, New Mexico

Dear Mr. Burgett:

New Mexico Oil Conservation Division (NMOCD) records indicate your groundwater discharge plan GW-41 for the above captioned facility expired on November 16, 1998. If you wish to continue operations please submit a discharge plan renewal application pursuant to section 3-106 of the Water Quality Control Commissions Regulations by December 15, 1999. NMOCD has enclosed a blank form and a copy of the guidelines for your use.

If your operations are no longer in use please submit a request to terminate the discharge plan. If you require any further information or assistance please do not hesitate to write or call me at (505-827-7155).

Sincerely Yours,

Wayne Price

Wayne Price-Pet. Engr. Spec.
Environmental Bureau

cc: Roy Johnson-Santa Fe

attachments-2

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

June 16, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-259-079

Mr. Dale Burgett
Burgett Geothermal Greenhouses, Inc.
Box 265A
Animas, NM 88020

RE: Discharge Plan Renewal
Burgett Geothermal Greenhouses, Inc. (GW-41)
Hidalgo County, New Mexico

Dear Mr. Burgett:

On November 16, 1993, the groundwater discharge plan, GW-41, for the Burgett Geothermal Greenhouses, Inc. (Burgett) geothermal well located in the E/2 SW/4 of Section 7, Township 25 South, Range 19 West, NMPM, Hidalgo County, New Mexico, was renewed by the Director of the New Mexico Oil Conservation Division (OCD). This discharge plan was required and submitted pursuant to Water Quality Control Commission (WQCC) regulation 3106 and was approved pursuant to section 3109 for a period of five years. The approval will expire on November 16, 1998.

If the facility continues to have potential or actual effluent or leachate discharges and Burgett wishes to continue operations, the discharge plan must be renewed. The OCD is reviewing discharge plan submittals and renewals carefully and the review time can extend for several weeks to months. Please indicate whether Burgett has made, or intends to make, any changes in the system, and if so, please include these modifications in the application for renewal.

The discharge plan renewal application for the Burgett geothermal well is subject to the WQCC Regulation 3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of $50 plus a flat fee of $690 for geothermal wells. The $50 filing fee is to be submitted with the discharge plan renewal application and is nonrefundable. The flat fee for an approved discharge plan renewal may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the discharge plan with the first payment due the at the time of approval.

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

Please submit the original and one copy to the OCD Santa Fe Office and one copy to the OCD Artesia District Office. **Note that the completed and signed application form must be submitted with the discharge plan renewal request.** Copies of the WQCC regulations and discharge plan application form and guidelines have been provided in the past. If Burgett requires additional copies of these items notify the OCD at (505) 827-7152. A complete copy of the regulations is also available on the OCD's website at **www.emnrd.state.nm.us/ocd/.**

If Burgett no longer have any actual or potential discharges and a discharge plan is not needed, please notify this office. If Burgett has any questions, please do not hesitate to contact Mark Ashley at (505) 827-7155.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

RCA/mwa

xc: OCD Artesia Office

P 288 259 079

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail *(See reverse)*

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Post Office, State, & ZIP Code	
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Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form **3800**, April 1995

Bureau of Land Management
Las Cruces District Office
1800 Marquess Street
Las Cruces, New Mexico 88005
Phone: 505-525-4300
FAX Number: 505-525-4412

FACSIMILE TRANSMITTAL SHEET

DATE: 3-11-93

DELIVER TO: Kathy Brown OFFICE CODE:_____

FROM: Chuck O'Donnell
LAS CRUCES DISTRICT OFFICE, BLM

OF PAGES: 2 (Includes transmittal sheet)

REMARKS:

If telecopier does not transmit properly, please notify us at the above number.

FOR LCDO USE:

VERIFIED BY:_____

DATE VERIFIED:_____

RESULT: _____

OPERATOR:_____

Kathy Brown
New Mexico Oil Conservation Division

By way of introduction, my name is Chuck O'Donnell and I am a geologist working for the Bureau of Land Management, Las Cruces District. I am presently working on a geothermal case concerning Burgett Geothermal Greenhouses Inc, Animas,New Mexico. This fax is probably the only way I could get in touch with you as I will be out of town for the next week.

In any event, Mr. Burgett at one time had a discharge permit for geothermal effluent. That permit has expired and he subsequently reapplied. In my recent conversation with Mr. Burgett, he said that he had withdrawn his new application. He said that he considered the effluent as part of his agriculture development. I contend that the effluent is merely a wasted resource once he has used the heat from the water. We presently estimate that more than a million gallons of this effluent is pumped into the desert surrounding his operation each day. Mr. Burgett claims that the water is suitable for agricultural purposes yet he pumps water located approximately a mile from his operation and stores it in a large 50,000 gallon tank near his greenhouses.

Tom McCants operates a ½-acre greenhouse adjacent to Mr. Burgett and McCants has never applied for a discharge permit even though he is discharging nearly 50,000 gallons per day of geothermal effluent.

I believe this is OCD's call as to requiring a permit. I just wanted to make you aware of all the facts before a decision was reached. I will call you on March 22, 1993 in the afternoon for further discussion. My phone # is 525-4373 if you would prefer to leave me a message. My fax # is 525-4412. The BLM would like to work with you on this issue. If there is any information we can supply, please let me know.

October 6, 1993

Kathy Brown
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

Re: Approved Discharge Plan for Geothermal Facilities

Dear Ms. Brown:

Enclosed please find the well records and the drawing of the land, wells and facilities of our operation. I have included a copy of the Plan of Operation and Plan of Utilization that was submitted to BLM.

If you require other information or if additional fees are required, please let me know at the address below.

Sincerely,

Betty D. Beagles

Betty D. Beagles, Director
Burgett Geothermal Greenhouses, Inc.
P.O. Box 1618
Roswell, NM 88202
505/623-7616
Fax/623-0540

Location Address:
Box 265-A
Animas, NM 88020
505/548-2353

enclosure

DISCHARGE PLAN FOR GEOTHERMAL FACILITIES
FOR THE STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

I. General Information

A. Burgett Geothermal Greenhouses, Inc.
Betty D. Beagles, Corporate Secretary
Box 265 A
Animas, New Mexico 88020

B. Location of Discharge:

Section 7, Township 25 S, Range 19 W

C. Type of Operation:

Greenhouse operation utilizing the geothermal resources for heat.

D. Affirmation:

"I hereby certify that I am familiar with the information contained in and submitted with this application and that such information is true, accurate and complete to the best of my knowledge and belief."

Jerry Malone
President

10/1/93
Date:

Betty D. Beagles
Secretary

10/1/93
Date:

II. Plant Processes:

A. The geothermal waters are pumped out of the wells and circulated by pipe around and through the greenhouses. The water is then discharged from a line running to the west into a ditch beside a dike. The water then runs in a northly direction and ponds for drinking water for livestock. The water is potable.

The geothermal waters are also used for heating the packing building and mobile homes when the outside temperature is low and heat is required.

B. Estimated quantities used in gallons per day (GPD):

An estimated 55,500 gallons per day of geothermal water is used only when the outside temperature is low and heat is required in the fall and winter months.

C. There are no additives to the geothermal waters. Geothermal waters from five different wells are connected into the one discharge line.

III. Site Characteristics

A. Description and location of any ground water discharge sites within one mile of outside perimeter of facility: None.

Water wells: See list of wells attached.

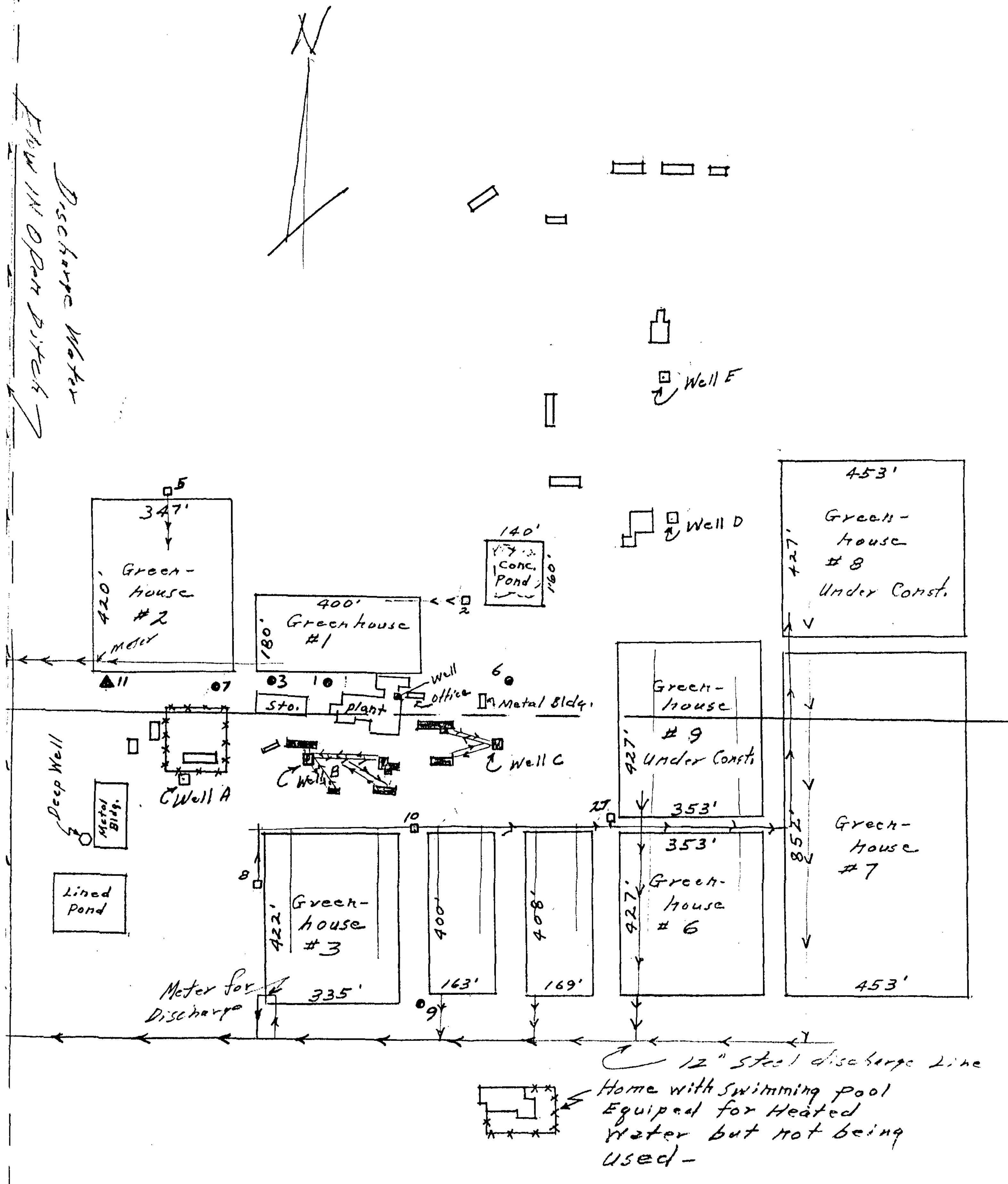
B. Flow direction of the ground water most likely to be affected by the discharge: None.

C. See list of wells for depth to water of geothermal water. There are no water wells that could be affected by any discharge.

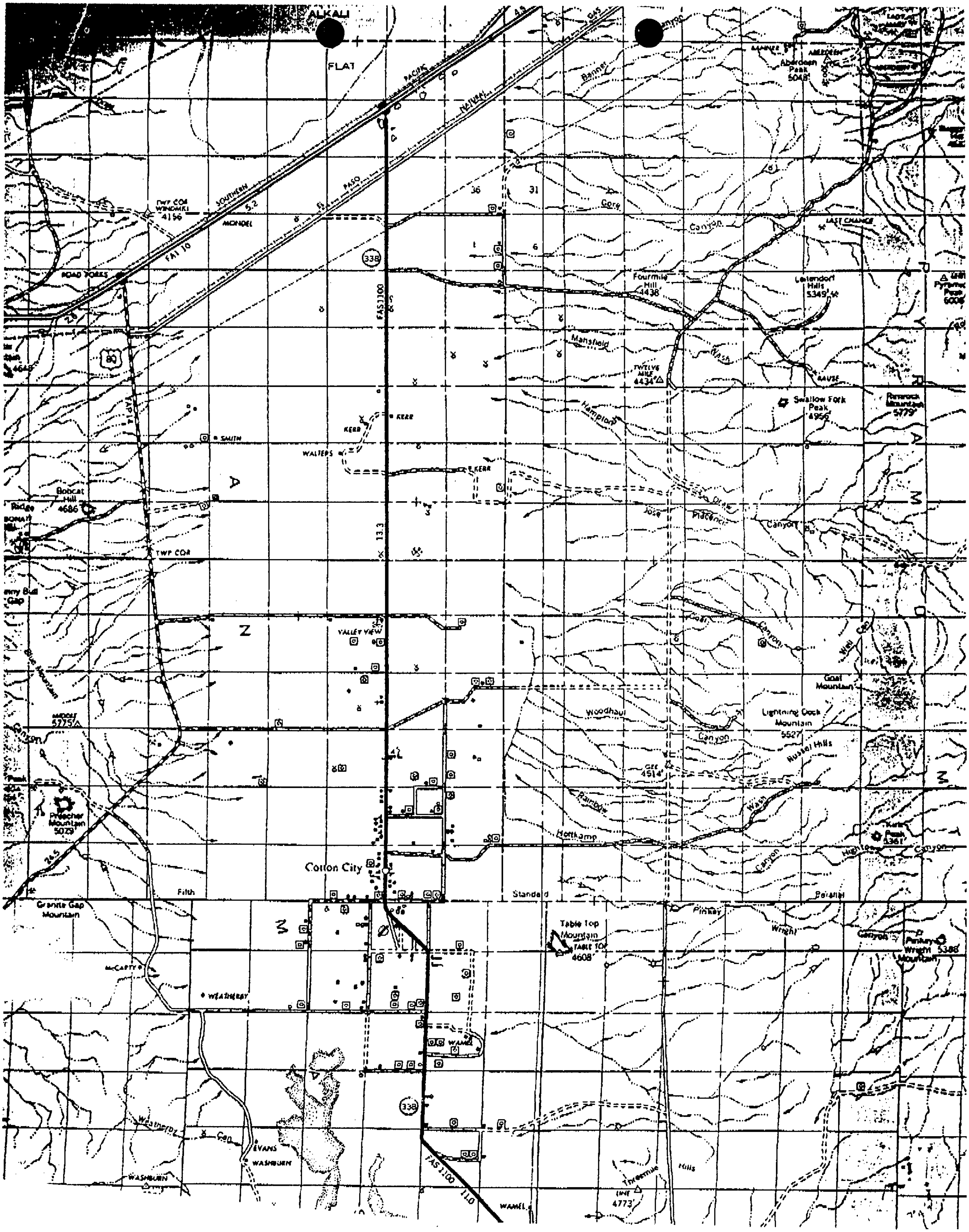
D. Depth to and lithologic description of rock at base of alluvium is provided in the well records attached that were submitted to the New Mexico State Engineers Office.

E. The flooding potential is controlled by dikes constructed to the south and west of the project to control flooding caused by rain. The flooding caused by discharge of geothermal waters can be controlled by the shut-down of the pumping of that water.

F. The utilization plan attached demonstrates the water that is discharged has no additives and is only circulated in pipe lines around and through the greenhouses. There is no contact with any toxic pollutants at any place of withdrawal of water at the present or foreseeable future uses.



N
Discharge Water
Flow In Open Ditch
Well E
Well D
453'
Green-house #8
Under Const.
427'
347'
Green-house #2
420'
Meter
140'
Conc. Pond
160'
400'
Green house #1
180'
Well
office
Metal Bldg.
Sto.
plant
Green-house #9
Under Const.
427'
353'
Well C
Well B
Well A
Deep Well
Metal Bldg.
Lined Pond
Green-house #3
422'
335'
400'
163'
408'
169'
353'
Green-house #6
427'
Green-house #7
852'
453'
Meter for Discharge
12" Steel discharge Line
Home with Swimming pool
Equiped for Heated
Water but not being
used-


ALKALI
FLAT
SOUTHERN
PACIFIC
PASO
NATURAL GAS
FAI 10
MONDEL
ROAD FORKS
TWP COR WINDMILL 4156
338
FAS 1100
13.3
80
Aberdeen Peak 5048'
Banner
Gore
Canyon
LAST CHANCE
Fourmile Hill 4436'
Leitendorf Hills 5349'
Mansfield
Wash
TWELVE MILE 4434'
Swallow Fork Peak 4956'
Hampton
KERR
WALTERS
SMITH
Bobcat Hill 4686
Ridge
TWP COR
Jose
Placencio
Canyon
Draw
Z
A
Goat
Canyon
Goat Mountain
VALLEY VIEW
Woodhaul
Canyon
Lightning Dock Mountain 5527
Russel Hills
GEE 4514'
Rainbow
Wash
Hottkamp
Canyon
Preacher Mountain 5029'
Cotton City
Fifth
Standard
Parallel
Granite Gap Mountain
Table Top Mountain
TABLE TOP 4608'
Pinkey
Wright
Canyon
Pinkey Wright Mountain 5386
McCAFTY
WEATHERBY
WAMEL
Weatherby
Can
EVANS
WASHBURN
FAS 1100
Threemile
Hills
4773'

GEOTHERMAL LEASE NM 34790
SECTION 7, TOWNSHIP 25 SOUTH, RANGE 19 WEST
S2N2, SE4, E2SW4
HIDALGO COUNTY, NEW MEXICO

BURGETT INVESTMENT, INC., OPERATOR
BOX 265-A, ANIMAS, NEW MEXICO 88020

GREENHOUSE OPERATION
USING GEOTHERMAL FOR HEATING TO GROW ROSES

PLAN OF OPERATION

AND

PLAN OF UTILIZATION

PLAN OF OPERATION

I. Maps

- A. Scaled Drawings of Operations
- B. Geographical Topographic Map

II. Wells

- A. Identification of Wells
- B. Monitoring
- C. Collecting Data

III. Greenhouses

- A. Identification
- B. Construction
- C. Square Footage

III. Narrative Statement

DESCRIPTION OF GREENHOUSES

Greenhouse #1	Completed: January 1978	
	Construction: Wood frame/Fiberglass	
	Size: 400 X 180 Square Footage:	72,000
Greenhouse #2	Completed: December 1980	
	Construction: Steel Pipe/Fiberglass	
	Size: 347 X 420 Square Footage:	145,740
Greenhouse #3	Completed: August 1985	
	Construction: Steel Pipe/Exolite	
	Size: 335 X 422 Square Footage:	141,370
Greenhouse #4	Completed: August 1987	
	Construction: Steel Pipe/Exolite.	
	Size: 163 X 400 Square Footage:	65,200
Greenhouse #5	Completed: August 1988	
	Construction: Steel Pipe/Glass	
	Size: 169 X 408 Square Footage:	68,952
Greenhouse #6	Completed: November 1989	
	Construction: Steel Pipe/Exolite	
	Size: 353 X 427 Square Footage:	150,731
Greenhouse #7	Completed: January 1991	
	Construction: Steel Pipe/Exolite	
	Size: 453 X 852 Square Footage:	385,956
Greenhouse #8	Completed: November 1993 (Anticipated)	
	Construction: Steel Pipe/Exolite	
	Size: 453 X 427 Square Footage	193,431
Greenhouse #9	Completed: November 1993 (Anticipated)	
	Construction: Steel Pipe/Exolite	
	Size: 353 X 427 Square Footage	150,731

Total square footage in all greenhouses 1,374,111

NARRATIVE STATEMENT OF OPERATION

The greenhouse operation comprises of 1,029,949 square feet as of September 1993, with an expected total 1,374,111 square feet by November 1993.

The only crop is roses for wholesale business. The operation is confined to the greenhouses and grading/packing building. There is no outside growing.

A grading and packing building is located to the south of Greenhouse #1. The east side is for loading, the middle is the packing area that also contains three refrigeration room. The west side of the building is the grading room. There is a heat obsorbtion unit in this area, but is not hooked up nor is it being used. The room to the south is a large refrigeration room.

A mobile office sits next to the east side of the building. There is a shop building for equipment repair located to the east of the office.

There are approximately 100 employees monthly on site, some of whom live in the mobile homes to the south of the packing building and others to the east of the complex.

There are two prefab houses on the eastern edge of the complex. Neither use geothermal heat.

To the south of the complex is the home of Mr. and Mrs. Burgett, and to the west of the complex is the home of Mr. and Mrs. Malone.

There are portable sanitary facilities (toilets) for the workers positioned around the greenhouses. These facilities are supplied by a local company who services them.

A generator building is located on the west side of Greenhouse #3 and is used for switching electricity from local service to diesel generators for the complex.

The discharge of the water used to heat the greenhouses is done in a manner that minimizes any soil erosion. The water is discharged into a ditch and flows in such a manner that livestock uses it for drinking.

WELL DESCRIPTION

No. 1	A-36-A	Well is 2567 feet south and 780 feet east from the N4 corner of Section 7, T. 25 S., R. 19 W. Drilled in November 1948. This well was an exploratory irrigation well drilled to the depth of 85 feet and has a 12" conductor pipe that reduces to 8" at the hole. This well is a geothermal well and is not in use at this time.
No. 2	A-36-B	Well is 2368 feet south and 1131 feet east from the N4 corner of Section 7, T 25 S., R. 19 W. Drilled in 1948 to a depth of 95 feet and deepened by Burgett in 1983 to a depth of 225 feet with a pilot hole. It has 100 feet of 8" casing. This well is being used. It is a geothermal well. This well is used to head greenhouses #1 and #2.
No. 3	A-36-AB-S	Well is located 2570 feet south and 646 feet east of the N4 corner, Section 7, T 25 S., R. 19 W. This well was drilled by Burgett in 1979 to a depth of 115 feet and has 90 feet of 8" casing. This is a geothermal well and is not in use at this time.
No. 4	A-36-AB-S-2	Well is located 3837 feet south and 2593 feet east from the N4 corner of Section 7, T 25 S., R 19 W. This well was drilled by Burgett in 1978 to a depth of 125 feet and has 8" casing to a depth of 90 feet. This is a cold water well and is not is use.
No. 5	A-36-AB-S-3	Well is located 2102 feet south and 388 feet east from the N4 corner of Section 7, T. 25 S., R. 19 W. This well was drilled in 1980 to a depth of 225 feet by Burgett and is cased in 8" casing for 100 feet. Well is equipped with a 200 GPM Turbine pump and is being used for Greenhouse #1 and #2. It is a geothermal well.

No. 6	A-36-AB-S-4	Well is located 2558 feet south and 1235 east of the N4 corner of Section 7, T. 25 S., R. 19 W. This well was drilled in 1948 to a depth of 90 feet. Well is cased with 85 feet of 12" and 90 feet of 10" inside 12". Well is not in use and is a geothermal well.
No. 7	A-36-AB-S-5	Well is located 2579 feet south and 505 feet east of the N4 corner of Section 7, T. 25 S., R. 19 W. Drilled in 1983 by Burgett to a depth of 550 feet. Well is cased with 8" casing to 150 feet, with 6" casing 100 feet. Well is equipped with a 250 GPM Turbine pump. In 1993 the well was test pumped. Well is not in use and is a geothermal well.
No. 8	A-36-AB-S-6	Well is located 3067 feet south and 625 feet east of the N4 corner of Section 7, T. 25 S., R. 19 W. Drilled in 1983 by Burgett to a depth of 275 feet and is cased with 8" casing to a depth of 100 feet. This well is a geothermal well and is in use at this time. It is equipped with a 350 GPM Turbine pump. It is used to heat greenhouses #3, #4, and #5.
No. 9	A-36-AB-S-7	Well is located 3351 feet south and 1020 feet east from the N4 corner of Section 7, T. 25 S., R. 19 W. Well was drilled by Burgett in 1984 to a depth of 130 feet and 8" casing to 100 feet. Well is a geothermal well and is not being used.
No. 10	A-36-AB-S-8	Well is located 2941 feet south and 1001 east from the N4 corner of Section 7, T. 25 S., R. 19 W. Well was drilled by Burgett in 1984 to a depth of 175 feet and cased with 8" casing to 100 feet and equipped with a 250 GPM Turbine pump. This well is a geothermal well and is in use all the time. It is used for Greenhouse #4, #5, #6 and #7.
No. 11	A-36-AB-S-12	Well is located 2571 feet south and 240 feet east from the N4 corner of Section 7, T. 25 S., R. 19 W. Well was drilled by Oasis Drilling in 1982 to a depth of 125 feet and cased with 8" casing to 100 feet. This well is not used, the water is not hot enough. Not classed as a geothermal well.

No. 12	A-36-AB-S-13	Well is located 2594 feet south and 225 feet west of the N4 corner of Section 7, T. 25 S., R 19 W. Well was drilled by Burgett in 1983 to a depth of 275 feet and cased with 8" casing to 150 feet. This well is a dry hole, there is no water and not used.
No. 13	A-64	Well is located 4102 feet south and 140 feet west from the N4 corner of Section 7, T. 25 S., R. 19 W. Well was drilled by Folk in 1940 to a depth of 250 feet. This well is rated at 1000 GPM and has a Turbine pump without motor, not in use and has not been pumped in ten (10) years.
No. 14	A-65-A	Well is located 5215 feet south and 122 feet west of the N4 of Section 7, T. 25 S., R. 19 W. Drilled by Folk in March 1951 to a depth of 150 feet. It has a 250 GPM Turbine pump. Not in use and has not been used in ten (10) years.
No. 15	A-65-AS	Well is located 2621 feet south and 2004 feet west from the N4 corner of Section 7, T. 25 S., R. 19 W. Drilled by Folk in 1959 for irrigation well. Has 1000 GPM Turbine pump. Not in use. Has not been pumped in ten (10) years.
No. 16	A-231	Well is located 2548 feet south and 1118 feet west from the N4 of Section 7, T. 25 S., R. 19 W. Folk irrigation well drilled in 1957 to a depth of 126 feet and cased with 6" casing. Well not in use. Is not a geothermal well.
No. 17	A-45	Well is located 1427 feet south and 112 feet east of the NW corner of Section 12, T. 25 S., R. 20 W. Well was drilled in 1984 by Burgett to a depth of 150 feet and cased with 6" PVC with a submergible pump. This is a fresh water well and is in use.
No. 18	A-45-S-2	Well is located 1521 feet south and 165 feet east from the NW corner of Section 12, T. 25 S., R. 20 W. Drilled in 1984 by Burgett to a depth of 150 feet and cased with 6" PVC with a submergible pump. This is a fresh water well and is in use.

No. 19	A-45-S-3	Well is located 1541 feet south and 130 feet east of the NW Corner of Section 12, T. 25 S., R. 20 W. Well was drilled in 1984 by Burgett to a depth of 150 feet and cased with 6" PVC with a submergible pump. This is a fresh water well and is in use.
No. 20	A-13-S	Well is located 1234 feet south and 3755 feet east from the NW corner of Section 13, T. 25 S., R. 20 W. No information on this well. It has a Turbine pump and 18" casing. Pumped for one (1) year. Not a geothermal well.
No. 21	A-13-S-3	Well is located 1292 feet south and 2930 feet east from the NW corner of Section 13, T. 25 S., R. 20 W. Well was drilled in 1940 and has a Turbine pump. Pumped one (1) year and is not in use at this time. No other information on this well. Not a geothermal well.
No. 22	A-59-A	Well is located 1292 feet south and 2930 feet east from the NW corner of Section 13, T. 25 S., R. 20 W. No information on this well. Not in use. Pumped one (1) year. Not a geothermal well.
No. 23	Proposed	Located 1373 feet south and 6540 feet east of the NW corner of Section 13, T. 25 S., R. 20 W. Test Well never drilled.
No. 24	A-51	Well is located 1391 feet south and 1223 feet east of the NW corner of Section 14, T. 25 S., R. 20 W. Well drilled by Burgett to a depth of 275 feet with 16" casing all the way and has a 60 HP submergible pump that pumps 1100 GPM. This well is in use all the time and is not a geothermal well. It is a fresh water well.
No. 25	A-53-S	Well is located 59 feet north and 240 feet west from the E4 corner of Section 10, T. 25 S., R. 20 W. This well is a irrigation well drilled in the 1950's with a pipe to the south. Fresh water and not a geothermal well.

No. 26	A-53	Well is located 88 feet north and 76 feet west from the E4 corner of Section 10, T. 25 S., R. 20 W. This is an irrigation well drilled in the 1950's with pipe to the south. Fresh water and not a geothermal well.
No. 27		Well is located 2918 feet south and 1519 feet east from the N4 corner of Section 7, T. 25 S., R. 19 W. Drilled in 1989 by Burgett to a depth of 151 feet and cased with 10" casing to 100 feet. Equipped with a 450 GPM Turbine pump. Well is a geothermal well and is used.
No. 55-7		The deep exploratory well was drilled by AMAX and it is capped. The Plugging Plan was approved in November 1985 with Steam Reserve Corporation as lessee/operator.

All wells are shown on the drawing with the exception of 20 through 26. These fall into two different sections that are privately owned and the wells are cold water irrigation type wells.

While some of these wells may be used as down hold heat exchangers, most of these wells are observation determining formation and hot water production.

PLAN OF UTILIZATION

I. Description of Structures

A. Map of Facility Locations

(See drawing made of complete project)

B. Purpose of Each Facility

1. GREENHOUSES: To grow roses for commercial cut rose business.

2. GRADING/PACKING BUILDING: Roses are graded, packaged, refrigerated, and packed out for sale.

3. STORAGE BUILDING: Boxes are stored and assembled along with holding other supplies as necessary.

4. GENERATOR BUILDING: Houses generators and other equipment necessary for the physical plant.

5. SHOP BUILDING: For equipment and vehicle repairs.

C. Schematic Flow Diagram

(See attached drawing made of Schematic Flow Diagram)

D. Schedule of Construction Activities

1. Completion of Greenhouses #8 and #9 by November, 1993.

2. Anticipated construction of new grading/packing house within the next three years to be constructed to the south of the existing grading/packing building where mobile homes are now located.

3. Anticipated construction or placement of mobile office building at an undecided location within next three years.

II. Reports

(See attached reports from State Engineers Office)

III. Tests

~~(See attached reports from Oil Conservation Department)~~

IV. Map of Roads

(See attached drawing of operation)

V. Water Supply to be Utilized

A. Source: Water from geothermal wells are used to circulate in greenhouses.

B. Quality: Water from the hottest wells will be utilized.

C. Consumption Rate: 125 GPM to 400 GPM but not continuously.

VI. Waste Waters

A. Waste waters from geothermal wells are discharged to the west into a ditch for drinking water for livestock. It is considered potable water and has no saline.

VII. Environmental Protection

A. The water from the geothermal wells does not harm the environment because the water is either returned to the well or discharged into a ditch for livestock.

VIII. Monitoring Facility Operations

A. Flow Meters: There are flow meters in all five geothermal wells being used.

B: Monitoring Devices: Temperature sensors and totalizers in gallons and BTU using analogues.

IX. Narrative Statement

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Burgett Investment, Inc. Owner's Well No. _____
Street or Post Office Address Box 265-A
City and State Animas, NM 88020

Well was drilled under Permit No. A36-AB-S-2 and is located in the:

a. NW ¼ NE ¼ SE ¼ ____ ¼ of Section 7 Township 25 S Range 19W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Everett D. Burgett License No. WD 248
Address Box 265-A

Drilling Began Sept. 1989 Completed ~~Jan. 25, 1990~~ Sept 1989 23 Type tools Rotary Size of hole 12 3/4 in.

Elevation of land surface or _____ at well is 4200 ft. Total depth of well 151 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 65 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
90	100	10 ft.	Gravel	200
150	151	1 ft.	Crevices lost circulation	500 +

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
10 3/4"	54	8	0	90	90	home made	open	hole

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
90	0	12 3/4	20	22	Pump

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:

_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received March 12, 1990

Quad _____ FWL _____ FSL _____

File No. A-36-AB-S-2 Use CLOW Location No. 25.19.7.421

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	10	10	Surface Soil
10	90	80	Red Clay
90	91	1	Hard Basalt
91	100	9	Gravel (water)
100	151	51	Broken Basalt
			Lost Circulation

Section 7. REMARKS AND ADDITIONAL INFORMATION

Hot water at 91 ft. Temperature 240 degrees Fht.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Jack Burgett
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate 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 1(a) and Section 5 need be completed.

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Burgett Investment, Inc. Owner's Well No. _____
Street or Post Office Address Star Route, Box 265-A
City and State Animas, New Mexico 88020

Well was drilled under Permit No. A-36-AB-S-14 and is located in the:

a. NW ¼ SW ¼ NW ¼ ¼ of Section 12 Township 25 S Range 20 W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Dale Burgett License No. WD 248

Address _____

Drilling Began _____ Completed 4/15/84 Type tools Rotary Size of hole _____ in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 150 ft.

Completed well is [x] shallow [ ] artesian. Depth to water upon completion of well _____ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
95	150	55	Gravel	unknown

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
6 5/8	PVC		0	150			100	150

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
0	10	7 7/8		5	Hand mix

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:

_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received October 5, 1989

Quad _____ FWL _____ FSL _____

File No. A-36-AB-S-14 Use Supplemental Well Location No. 25.20.12.131

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	95	95	Clay Gravel Stringers
95	150	55	Gravel

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

✓ Jack Burgess
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate 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 1(a) and Section 5 need be completed

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Burgett Greenhouses Inc Owner's Well No. 1
Street or Post Office Address Rural Route
City and State Animas N.M 88020

Well was drilled under Permit No. A-36 AB-S-5 and is located in the:

a. ¼ SW ¼ SW ¼ NE ¼ of Section 7 Township 25 Range 19 N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Oasis Drilling License No. WD-806
Address Box 436 Animas N.M 88020

Drilling Began 10-5-82 Completed 10-10-82 Type tools Rotary Size of hole 12¼ in.

Elevation of land surface or _____ at well is 4210 ft. Total depth of well 260 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 61 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
60	108	48	Sand & Gravel	20 to 50 gal
120	180	60	Gravel & Sand	✓ ✓
220	260	40	Conglomerate	✓ ✓

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
8 5/8"	Thickness .188	welded	0	260	260	N/A	122	144
✓	✓	✓					220	260

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:
_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received April 4, 1988

Quad _____ FWL _____ FSL _____

File No. A-36-AB-S-5 Use Supplemental Location No. 25.19.7.233

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	10	10	clay
10	40	30	clay with layers of sand
40	46	6	gravel
46	49	3	Sand
49	56	7	gravel
56	60	4	Sand
60	70	10	Sand & gravel
70	108	38	gravel
108	120	12	Conglomerate
120	150	30	gravel
150	180	30	Sand
180	210	30	Rock
210	215	5	gravel
215	260	45	Conglomerate

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Dean Jansen
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, ex[redacted] Section 5, shall be answered as completely [redacted]ccurately as possible when any well is drilled, repaired or deepened. When this [redacted]used as a plugging record, only Section 1(a), [redacted]ection 5 need be completed.

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Burgett Investment, Inc. Owner's Well No. _____
Street or Post Office Address Star Route, Box 265-A
City and State Animas, New Mexico 88020

Well was drilled under Permit No. A-36-AB-S-10 and is located in the:

a. _____ ¼ NW ¼ SW ¼ NW ¼ of Section 12 Township 25 S Range 20 W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Dale Burgett License No. WD-248

Address Star Route, Box 265-A, Animas, New Mexico 88020

Drilling Began 09/84 Completed 09/84 Type tools Rotary Size of hole 7 7/8 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 165 ft.

Completed well is xxx shallow ☐ artesian. Depth to water upon completion of well 60 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
6" PVC							100	165

STATE ENGINEER
SANTA FE, NM
88 MAR 16 PM 4 43

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:

_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received March 16, 1988

Quad _____ FWL _____ FSL _____

File No. A-36-AB-S-10 Use Supplemental Well Location No. 25.20.12.131

Section 6. LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate 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 1(a) and Section 5 need be completed.

(Complete Form in Triplicate)

Revised December 1966

'88 MAR 16 PM 4 43

PROOF OF COMPLETION OF WELL

Permit No. A-36-AB-S-10

1. Name of Water Right Owner Burgett Investment, Inc.
   Mailing address Star Route, Box 265-A
   City and State Animas, New Mexico 88020

2. Permit is for supplemental well (supplemental well, change location of well) from shallow (artesian or shallow) ground water.

3. Description of well:
   Located in the NW ¼ SW ¼ NW ¼, of Sec. 12 Twp. 25S Rge. 20W N.M.P.M., or Tract No. _____ of Map No. _____ of the _____ District; total depth, 165 feet; is well cased yes; outside diameter of top casing (or hole, if uncased), 6 inches; if artesian, is well equipped with gate valve _____; date drilled September 19 84; Name of driller Dale Burgett.

4. Record of Pumping Test, if made (to be supplied by person or firm making test); Name and address of person making test, _____;
   date of test _____ 19____; depth to water before test, _____ feet _____ (above, below) land surface,
   and pumping level during test, _____ feet; length of test, _____ hours; average discharge, _____ G.P.M.; specific capacity of well, _____ gals./min. per foot of drawdown.

5. Permanent Pump Equipment:
   (a) Description of pump: Make Goulds; Type Submersible;
   size of discharge 2 inches; if turbine type, give size of column, 2 inches; diameter of bowls _____ inches; number of bowls _____; length of suction pipe _____ feet; total length of column, bowls and suction pipe _____ feet; if centrifugal type, give size of pump _____ inches:
   if other type, describe _____;
   rated capacity of pump (if known), 90 G.P.M., at _____ rev. per min., from a depth of _____ feet.

   (b) Description of power plant: Make _____; Type Electric;
   rated horsepower (if available) _____; type of drive connection to pump _____ (direct, gearhead, or belt).

   (c) Actual discharge of pump, _____ G.P.M., at _____ rev. per min., from a depth of _____ feet;
   Date of test _____ 19____.

6. If reservoir is used, give approximate size: length _____ feet; width _____; depth _____.

7. If above well replaced an old well to be plugged or abandoned, fill out the following: the well abandoned is located in the _____ ¼ _____ ¼ _____ ¼ of Sec. _____, Twp. _____, Rge. _____.

   Describe plugging method _____
   Name of plugging contractor _____

8. Well Record filed with State Engineer's Office ~~yes~~ (Yes or No). (March 16, 1988)

I, Dale Burgett, affirm that the foregoing statements are true to the best of my knowledge and belief and that I am the agent for (sole, partial, agent for, etc.,) owner and holder of said water right.

Burgett Investment, Inc., Permittee

By: Dale Burgett

STATEMENT OF STATE ENGINEER'S REPRESENTATIVE

I hereby certify that I have inspected the above well and find it constructed in accordance with the conditions of the permit. Note any exceptions _____

Well was producing _____ gpm against a _____ head of _____ feet at _____ rpm.
(measured) (estimated)

Old well has been _____.
(plugged) (capped) (retained for other rights)

By: David B. Allison David B. Allison
Title: Water Resource Specialist
Date: March 16, 1988

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Burgett Investment, Inc. Owner's Well No. _____
Street or Post Office Address Star Route, Box 265-A
City and State Animas, New Mexico 88020

Well was drilled under Permit No. A-36-AB-S-11 and is located in the:

a. _____ ¼ NW ¼ SW ¼ NW ¼ of Section 12 Township 25 S Range 20 W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Dale Burgett License No. WD-248

Address Star Route, Box 265-A, Animas, New Mexico 88020

Drilling Began 09/84 Completed 09/84 Type tools Rotary Size of hole 7 7/8 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 165 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 60 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)

'88 MAR 16 PM 4 44

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
6" PVC							100	165

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:

_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received March 16, 1988

Quad _____ FWL _____ FSL _____

File No. A-36-AB-S-11 Use Supplemental Well Location No. 25.20.12.131

Section 6. LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate 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 1(a) and Section 5 need be completed.

(Complete Form in Triplicate)

Revised December 1966

'88 MAR 16 PM 4 STATE ENGINEER

PROOF OF COMPLETION OF WELL

Permit No. A-36-AB-S-11

1. Name of Water Right Owner Burgett Investment, Inc.
   Mailing address Star Route, Box 265-A
   City and State Animas, New Mexico 88020

2. Permit is for supplemental well (supplemental well, change location of well) from shallow (artesian or shallow) ground water.

3. Description of well:
   Located in the NW ¼ SW ¼ NW ¼, of Sec. 12 Twp. 25S Rge. 20W N.M.P.M., or Tract No. _____ of Map No. _____ of the _____ District; total depth, _____ feet; is well cased yes; outside diameter of top casing (or hole, if uncased), 6 inches; if artesian, is well equipped with gate valve _____; date drilled September 19 84; Name of driller Dale Burgett.

4. Record of Pumping Test, if made (to be supplied by person or firm making test); Name and address of person making test, _____;
   date of test _____ 19____; depth to water before test, _____ feet _____ (above, below) land surface,
   and pumping level during test, _____ feet; length of test, _____ hours; average discharge, _____ G.P.M.; specific capacity of well, _____ gals./min. per foot of drawdown.

5. Permanent Pump Equipment:
   (a) Description of pump: Make Goulds; Type Submersible;
   size of discharge 2 inches; if turbine type, give size of column, 2 inches; diameter of bowls _____ inches; number of bowls _____; length of suction pipe _____ feet; total length of column, bowls and suction pipe _____ feet; if centrifugal type, give size of pump _____ inches: if other type, describe _____;
   rated capacity of pump (if known), 40 G.P.M., at _____ rev. per min., from a depth of _____ feet.

   (b) Description of power plant: Make _____; Type Electric;
   rated horsepower (if available) _____; type of drive connection to pump _____ (direct, gearhead, or belt).

   (c) Actual discharge of pump, _____ G.P.M., at _____ rev. per min., from a depth of _____ feet;
   Date of test _____ 19____.

6. If reservoir is used, give approximate size: length _____ feet; width _____; depth _____.

7. If above well replaced an old well to be plugged or abandoned, fill out the following: the well abandoned is located in the _____ ¼ _____ ¼ _____ ¼ of Sec. _____, Twp. _____, Rge. _____.

   Describe plugging method _____
   Name of plugging contractor _____

8. Well Record filed with State Engineer's Office yes (Yes or No). (March 16, 1988)

I, Dale Burgett, affirm that the foregoing statements are true to the best of my knowledge and belief and that I am the agent for (sole, partial, agent for, etc.,) owner and holder of said water right.

Burgett Investment, Inc., Permittee

By: Dale Burgett

STATEMENT OF STATE ENGINEER'S REPRESENTATIVE

I hereby certify that I have inspected the above well and find it constructed in accordance with the conditions of the permit. Note any exceptions _____

Well was producing _____ gpm against a _____ (measured) (estimated) head of _____ feet at _____ rpm.

Old well has been _____ (plugged) (capped) (retained for other rights).

By: David B. Allison David B. Allison
Title: Water Resource Specialist
Date: March 16, 1988

'88 AUG 30 AM 10 03

STATE ENGINEER
DEMING, NM

Revised August 1967

139988 D $25.00

IMPORTANT—READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

SUPPLEMENTAL

APPLICATION FOR PERMIT

To Appropriate the Underground Waters of the State of New Mexico

Date Received August 30, 1988 File No. A-36-AB-S-14

1. Name of applicant Burgett Investment, Inc.
   Mailing address Star Route, Box 265-A
   City and State Animas, New Mexico 88020
2. Source of water supply shallow water aquifer located in Animas Valley
   (artesian or shallow water aquifer) (name of underground basin)
3. The well is to be located in the NW ¼ SW ¼ NW ¼, Section 12 Township 25 S.
   Range 20 W. N.M.P.M., or Tract No. ____ of Map No. ____ of the ____ District,
   on land owned by Burgett Investment.
4. Description of well: name of driller ____;
   Outside Diameter of casing ____ inches; Approximate depth to be drilled ____ feet;
5. Quantity of water to be appropriated and beneficially used 530.256 acre feet, per annu
   (consumptive use, diversion)
   for geothermal uses, irrigation within greenhouses and related purposes.
6. Acreage to be irrigated or place of use ____ acres.

Subdivision	Section	Township	Range	Acres	Owner

For supplemental appropriation of shallow groundwater not to exceed 530.256 acre-feet per annum from all combined sources measured at the wells for geothermal uses and irrigation within greenhouses and related purposes located in the SW¼NE¼ and the NW¼SE¼ of Section 7.Township 25 South,Range 19 West,N.M.P.M.

7. Additional statements or explanations Water from this well will be comingled with water from seventeen (17) wells for the supplemental appropriation of 530.256 acre-feet of water per annum and described as follows:

WELL NO.	SUBDIVISION	SECTION	TOWNSHIP	RANGE
A-36-A	SE¼SW¼NE¼	7	25 S	19 W
A-36-B	SE¼SW¼NE¼	7	25 S	19 W
A-36-AB-S	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-2	NE¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-3	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-4	SE¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-5	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-6	NW¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-7	NE¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-8	NE¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-10	NW¼SW¼NW¼	12	25 S	20 W
A-36-AB-S-11	NW¼SW¼NW¼	12	25 S	20 W
A-36-AB-S-12	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-13	SE¼SE¼NW¼	7	25 S	19 W
A-64	NE¼SE¼SW¼	7	25 S	19 W
A-65-A	SE¼SE¼SW¼	7	25 S	19 W
A-65-A-S	SW¼SW¼NW¼	7	25 S	19 W

I, Dale Burgett, affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

Burgett Investments, Inc., Permittee,

By: Dale Burgett

Subscribed and sworn to before me this 29th day of August, A.D., 1988.

My commission expires May 6, 1992 [signature]
Notary Public

Number of this permit A-36-AB-S-14

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the detriment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of _____ wells be complied with; and further subject to the following conditions:

1. The total amount of water diverted from all sources combined shall not exceed 530.256 acre-feet per annum measured at the wells under this permit for geothermal use, irrigation within greenhouses and related purposes.

2. The total amount of water diverted from all sources combined shall be measured by totalizing meters and/or hour meters of a type approved by and installed in a manner and at locations acceptable to the State Engineer.

3. Records of the amount of water diverted during the preceding calendar month shall be submitted to the State Engineer, District 3 Office, P.O. Box 844, Deming, New Mexico 88031, on or before the 30th day of the following month.

Proof of completion of well shall be filed on or before November 30, 1989

Proof of application of water to beneficial use shall be filed on or before _____, 19____

Witness my hand and seal this 1st day of December, A.D., 1988.

S. E. Reynolds, State Engineer

By: R. Q. Rogers.

R. Q. Rogers
Supervisor, District 3

INSTRUCTIONS

This form shall be executed, preferably typewritten, in triplicate and shall be accompanied by a filing fee of $5.00. Each of triplicate copies must be properly signed and attested.

A separate application for permit must be filed for each well used.

Secs. 1–4—Fill out all blanks fully and accurately.

Sec. 5—Irrigation use shall be stated in acre feet of water per acre per annum to be applied on the land. If for municipal or other purposes, state total quantity in acre feet to be used annually.

Sec. 6—Describe only the lands to be irrigated or where water will be used. If on unsurveyed lands describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily located natural object.

Sec. 7—If lands are irrigated from any other source, explain in this section. Give any other data necessary to fully describe water right sought.

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Beall Company of New Mexico Owner's Well No. 2
Street or Post Office Address Star Route 1 Box 260 B
City and State Animas NM 88020

Well was drilled under Permit No. ~~XXXXXX~~ A-45-S-3 / 1106450 and is located in the:

'84 APR 2 AM 10 41

a. ____ ¼ ____ ¼ NE ¼ NW ¼ of Section 12 Township 25S Range 20W N.M.P.M.

b. Tract No. ____ of Map No. ____ of the ____

STATE ENGINEER OFFICE SANTA FE, N.M. 87501

c. Lot No. ____ of Block No. ____ of the ____
Subdivision, recorded in ____ County.

d. X= ____ feet, Y= ____ feet, N.M. Coordinate System ____ Zone in the ____ Grant.

(B) Drilling Contractor Oasis Drilling License No. WD 806
Address Po Box 436 Animas NM 88020

Drilling Began 23 Jan 84 Completed 1-Feb-84 Type tools Rotary Size of hole 11 in.

Elevation of land surface or Approximately at well is 4300 ft. Total depth of well 145 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 64 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
65	80	15	clay & gravel	10
105	145	40	gravel	50

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
10 5/8 OD	.188 wall	N/A	0	10	10	Cemented Surface Casing		
8 5/8" OD	.188 wall	welded	0	139'-3"	139'-3"	N/A	65	140

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

'84 MAR 12 AM 8 42
STATE ENGINEER
DEMING, N.M.

Section 5. PLUGGING RECORD

Plugging Contractor ____
Address ____
Plugging Method ____
Date Well Plugged ____
Plugging approved by:

State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received March 12, 1984

Quad ____ FWL ____ FSL ____

File No. A-45-S-3 Use Supplemental Irrigation Well Location No. 25.20.12.12

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	25	25	Clay
25	40	15	Sand
40	55	15	Clay & Sand
55	65	10	Conglomerate
65	80	15	clay & gravel
80	90	10	Sand
90	105	15	Clay
105	145	40	gravel

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Dean Jansen
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate 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 1, and Section 5 need be completed.

August 27, 1993

Kathy Brown
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

Re: Approved Discharge Plan for Geothermal Facilities

Dear Ms. Brown:

We are requesting to renew our discharge plan. Enclosed you will find a check for $50 for the filing fee.

We will be submitting additional information as it becomes available in the next few weeks. The submittal will follow the guidelines that have been made available to us.

Sincerely,

Betty D. Beagles

Betty D. Beagles, Director
Burgett Geothermal Greenhouses, Inc.
P.O. Box 1618
Roswell, NM 88202
505/623-7616
Fax/623-0540

Location Address:
Box 265-A
Animas, NM 88020
505/548-2353

enclosure

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. 8827 dated 8/27/93,
or cash received on 9/9/93 in the amount of $ 50.00
from Burgett Geothermal Greenhouses Inc.
for Burgett Geothermal Greenhouse (Facility Name) GW-41 (DP No.)
Submitted by: _____ Date: _____
Submitted to ASD by: Kathy Brown Date: 9/9/93
Received in ASD by: Angie Allen Date: 9/9/93
Filing Fee X New Facility ___ Renewal ___
Modification ___ Other ___ (specify)
Organization Code 521.07 Applicable FY 94

To be deposited in the Water Quality Management Fund.

Full Payment ___ or Annual Increment ___

8827

BURGETT GEOTHERMAL GREENHOUSES, INC.
HC 65 BOX 265-A 505/548-2353
ANIMAS, NM 88020

95-82/1122

8/27 19 93

PAY TO THE ORDER OF New Mexico Oil Conservation Division $ 50 00

Fifty AND NO/100 DOLLARS

Western Bank P.O. BOX 460 LORDSBURG, NEW MEXICO 88045

FOR ReNew Discharge Plan

Dottie D Burgett

⑈008827⑈ ⑆122008241⑆ 05 313 9⑈

FLASH-FAX™ LETTER

TO: DAVID Boyer
NM O.I CONSV.

FAX # [illegible]

NO. OF PAGES INCLUDING THIS FLASH-FAX™

FROM: Berry [illegible] Beagles
Burgett Geothermal Greenh

FAX # 623-0590 PHONE #: 623-7616

SUBJECT Discharge [illegible]

DATE 8/27/9[illegible]

MESSAGE

Request [illegible] of 11M

August 27, 19

David Boyer
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 8

Re: Discharge Plan for Geothermal Facilities

Dear Mr. Boye

I just became aware of this discharge plan last weekend. Since it seems to be a problem with Mr. Burgett, who is my father, to complete such a plan, I have initiated the necessary steps to complete the plan by obtaining the information and tests required.

We are in the final stages of completing the discharge plan for our operation. The person who is doing the detailed drawings needs to do an on-site inspection of the greenhouses. Since he had prior commitments this week, he is unable to make the inspection until the first weekend of September.

We request that a thirty-day extension be given so that we may accurately complete our Discharge Plan for submittal to you.

We would like to advise you that in the future all submittals will be made timely. I may be reached at 623-7616 in Roswell, New Mexico. My Roswell address is P.O. Box 1618, Roswell, New Mexico.

Sincerely,

Betty D. Beagley

Betty D. Beagley, Director
Burgett Geothermal Greenhouses, Inc.
Box 265 A
Animas, NM 8

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

July 12, 1993

Mr. Dale Burgett
Burgett Geothermal Greenhouses, Inc.
Box 265A
Animas, New Mexico 88020

RE: CORRECTION - Discharge Plan GW-41 Extension
Burgett Greenhouses, Inc.
Hidalgo County, New Mexico

Dear Mr. Burgett:

On June 29, 1993 the New Mexico Oil Conservation Division (OCD) granted Burgett Greenhouses, Inc. an extension to discharge without an approved discharge plan until September 1, 1993. The date on the first page of this approval letter was incorrect and read July 29, 1993, instead of the correct date of June 29, 1993.

This correction does not effect your time limit of September 1, 1993, to discharge without an approved discharge plan. I am sorry for any inconvenience that this may have caused you.

If you have any questions please do not hesitate to contact me at (505) 827-5884.

Sincerely,

Kathy M. Brown

Kathy M. Brown
Geologist

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

July 29, 1993

CERTIFIED MAIL
RETURN RECEIPT NO. P-667-241-995

Mr. Dale Burgett
Burgett Geothermal Greenhouses, Inc.
Box 265A
Animas, New Mexico 88020

RE: Discharge Plan GW-41 Extension
Burgett Greenhouses, Inc.
Hidalgo County, New Mexico

Dear Mr. Burgett:

The Oil Conservation Division (OCD) has received your request dated June 18, 1993, for an extension to discharge without an approved discharge plan. The discharge plan for the Burgett Geothermal Greenhouses Inc., expired on April 16, 1992. Burgett Greenhouses requested an agricultural exemption from the discharge plan requirement pursuant to Water Quality Control Commission (WQCC) Regulation 3-105. Based on the quality of the geothermal water being discharged and the fact that the primary purpose of the geothermal water is not agriculture, the OCD denied this request on May 18, 1993.

Pursuant to WQCC Regulation 3-106.A., and for good cause shown, Burgett Greenhouse is granted an extension to discharge without an approved discharge until September 1, 1993.

To aid you in submitting your discharge plan renewal application I have enclosed a copy of the Guidelines for the Preparation of Ground Water Discharge Plans at Geothermal Installations.

Pursuant to New Mexico WQCC Regulation 3-114 every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of fifty (50) dollars plus one-half of the flat fee or for geothermal wells, six-hundred and ninety (690) dollars.

The $50 filing fee is due at the time the discharge plan renewal application (GW-41) is submitted and is nonrefundable. The flat fee for an approved discharge plan may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the discharge plan, with the first payment due at the time of approval.

Please make all checks out to the NMED - Water Quality Management and send to the OCD Santa Fe Office. If you have any questions please call Kathy Brown at (505) 827-5884.

Sincerely,

William J. LeMay, Director

WJL/kmb

xc: Roy Johnson, OCD Santa Fe Office

Burgett
GEOTHERMAL GREENHOUSES, INC.

June 18, 1993

Energy, Minerals and Natural Resources Department
Post Office Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

RE: Discharge Plan GW-41

Dear Sirs

I request an extension of time to file discharge plan renewal application.

Because of the complexity, and BLM requirements of metering. Plans are not complete please advise.

Sincerely

Dale Burgett

Box 265A • Animas, New Mexico 88020 • Phone 505/548-2353

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

May 18, 1993

CERTIFIED MAIL
RETURN RECEIPT NO. P-667-241-986

Mr. Dale Burgett
Box 265 A
Animas, New Mexico 88020

RE: Discharge Plan GW-41
Burgett Greenhouse
Hidalgo County, New Mexico

Dear Mr. Burgett:

The New Mexico Oil Conservation Division (OCD) has reviewed your December 30, 1992 request for an agricultural exemption from the discharge plan requirement pursuant to Water Quality Control Commission (WQCC) regulations. The discharge plan GW-41 for Burgett Greenhouse located in Section 7, Township 25 South, Range 19 West, NMPM, Hidalgo County, New Mexico, expired on April 16, 1992.

Based on the analytical results (enclosed) of the geothermal water being discharged onto the ground surface which demonstrates that the effluent exceeds WQCC groundwater standards, a discharge plan is required for your facility. In addition, the OCD has determined that your facility does not qualify for the agricultural exemption since the primary purpose use of the geothermal water is for heating and not agriculture.

Burgett Greenhouse is required to submit a discharge plan renewal application to the OCD by June 21, 1993.

Pursuant to the New Mexico Water Quality Control Commission (WQCC) Regulation 3-114 every billable facility submitting a discharge plan renewal will be assessed a fee equal to the

filing fee of fifty (50) dollars plus one-half of the flat fee or for geothermal wells, six-hundred and ninety (690) dollars.

The $50 filing fee is due at the time the discharge plan renewal application (GW-41) is submitted and is nonrefundable. The flat fee for an approved discharge plan may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the discharge plan, with the first payment due at the time of approval.

Please make all checks out to the **NMED - Water Quality Management** and send to the OCD Santa Fe Office. If you have any questions, please do not hesitate to contact me at (505) 827-5884.

Sincerely,

William J. LeMay
Director

WJL/kmb

xc: Roy Johnson, OCD Santa Fe Office
Robert Stovall, OCD General Counsel
Charles O'Donnell, Bureau of Land Management

STATE OF NEW MEXICO DEPARTMENT OF HEALTH
SCIENTIFIC LABORATORY DIVISION
P.O. Box 4700 700 Camino de Salud, NE
Albuquerque, NM 87196-4700 [505]-841-2500
WATER CHEMISTRY SECTION [505]-841-2555

March 15, 1993

Request ID No. 022251

ANALYTICAL REPORT
SLD Accession No. WC-93-0269

Distribution
(__) User 70320
(■) Submitter 260
(※) SLD Files

To: K. Brown
NM Oil Consv. Div.
State Land Office Bldg.
P.O. Box 2088
Santa Fe, NM 87504-2088

From: Water Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A water,Nonpres/No sample submitted to this laboratory on February 4, 1993**

DEMOGRAPHIC DATA

COLLECTION
On: 2-Feb-93 *By:* Bro . . .
At: 10:30 hrs. *In/Near:* Animas

LOCATION
Produced Water
Burgett Greenhouse, Animas

ANALYTICAL RESULTS

Analysis		Value	D. Lmt.	Units
calcium		22.00		mG/L
magnesium	<	1.00		mG/L
potassium		24.00		mG/L
ortho phosphate		404.00		mG/L
bicarbonate		89.90		mG/L
carbonate		13.30		mG/L
chloride		110.00		mG/L
fluoride		15.46		mG/L
sulfate		675.00		mG/L
total diss resid		1480.00		mG/L

Reviewed By: B.P
Bryan S. Patterson 03/15/93
Analyst, Water Chemistry Section

STATE OF NEW MEXICO DEPARTMENT OF HEALTH
SCIENTIFIC LABORATORY DIVISION
P.O. Box 4700 700 Camino de Salud, NE
Albuquerque, NM 87196-4700 [505]-841-2500
AIR & HEAVY METALS SECTION [505]-841-2553

May 3, 1993

Request ID No. 022252

ANALYTICAL REPORT
SLD Accession No. IC-93-0134

Distribution
(__) User 70320
(■) Submitter 260
(※) SLD Files

To: Kathy Brown
NM Oil Consv. Div.
State Land Office Bldg.
P.O. Box 2088
Santa Fe, NM 87504-2088

From: Air & Heavy Metals Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A water sample submitted to this laboratory on February 4, 1993**

DEMOGRAPHIC DATA

COLLECTION
On: 2-Feb-93 *By:* Bro . . .
At: 10:30 hrs. *In/Near:* Animas

LOCATION
Produced Water
Burgett Greenhouse, Animas

ANALYTICAL RESULTS in mG/L

Analysis		Value	Analysis		Value	Analysis		Value
Aluminum	<	0.10	Cobalt	<	0.05	Nickel	<	0.10
Barium	<	0.10	Copper	<	0.10	Silicon		1.80
Beryllium	<	0.10	Iron	<	0.10	Silver	<	0.10
Boron		0.50	Lead	<	0.10	Strontium		0.50
Cadmium	<	0.10	Magnesium		0.20	Tin	<	0.10
Calcium		20.00	Manganese	<	0.05	Vanadium	<	0.10
Chromium	<	0.10	Molybdenum	<	0.10	Zinc	<	0.10

Reviewed By: _____
Jim F. Ashby 05/04/93
Supervisor, Air & Heavy Metals Section

STATE OF NEW MEXICO
DEPARTMENT OF HEALTH
SCIENTIFIC LABORATORY DIVISION
P.O. Box 4700
Albuquerque, NM 87196-4700
700 Camino de Salud, NE
[505]-841-2500
AIR & HEAVY METALS SECTION [505]-841-2553

September 15, 1993

Request ID No. 022250

ANALYTICAL REPORT
SLD Accession No. IC-93-0140

Distribution
(_) User 70320
(■) Submitter 260
(▩) SLD Files

To: Kathy Brown
NM Oil Consv. Div.
State Land Office Bldg.
P.O. Box 2088
Santa Fe, NM 87504-2088

From: Air & Heavy Metals Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A water,Nonpres/No sample submitted to this laboratory on February 4, 1993**

DEMOGRAPHIC DATA

COLLECTION
On: 2-Feb-93 *By:* Bro . . .
At: 9:00 hrs. *In/Near:* Animas

LOCATION
Discharge Water to ditch Burgett

ANALYTICAL RESULTS in mG/L

Analysis		Value	Analysis		Value	Analysis		Value
Aluminum		0.10	Cobalt	<	0.05	Nickel	<	0.10
Barium	<	0.10	Copper	<	0.10	Silicon		65.00
Beryllium	<	0.10	Iron	<	0.10	Silver	<	0.10
Boron		0.60	Lead	<	0.10	Strontium		0.50
Cadmium	<	0.10	Magnesium		0.10	Tin	<	0.10
Calcium		20.00	Manganese	<	0.05	Vanadium	<	0.10
Chromium	<	0.10	Molybdenum	<	0.10	Zinc	<	0.10

Laboratory Remarks: Acidified at SLD.

Reviewed By: Jim F. Ashby 09/15/93
Supervisor, Air & Heavy Metals Section

STATE OF NEW MEXICO DEPARTMENT OF HEALTH
SCIENTIFIC LABORATORY DIVISION
P.O. Box 4700 700 Camino de Salud, NE
Albuquerque, NM 87196-4700 [505]-841-2500
WATER CHEMISTRY SECTION [505]-841-2555

March 24, 1993

Request
ID No. 022249

ANALYTICAL REPORT
SLD Accession No. WC-93-0274

Distribution
(__) User 70320
(■) Submitter 260
(※) SLD Files

To: Kathy Brown
NM Oil Consv. Div.
State Land Office Bldg.
P.O. Box 2088
Santa Fe, NM 87504-2088

From: Water Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A water,Nonpres/No sample submitted to this laboratory on February 4, 1993**

DEMOGRAPHIC DATA

COLLECTION
On: 2-Feb-93 *By:* Bro . . .
At: 9:00 hrs. *In/Near:* Animas

LOCATION
Discharge Water
Burgett Greenhouse, Animas

ANALYTICAL RESULTS

Analysis		Value	D. Lmt.	Units
calcium		20.00		mG/L
magnesium	<	1.00		mG/L
potassium		18.00		mG/L
sodium		310.00		mG/L
bicarbonate		84.50		mG/L
carbonate		0.00		mG/L
chloride		84.70		mG/L
fluoride		12.00		mG/L
sulfate		524.00		mG/L
total diss resid		1176.00		mG/L

Reviewed By: Mary M. Perkins 3/25/93
Mary M Perkins 03/22/93
Analyst, Water Chemistry Section

STATE OF NEW MEXICO DEPARTMENT OF HEALTH
SCIENTIFIC LABORATORY DIVISION
P.O. Box 4700 700 Camino de Salud, NE
Albuquerque, NM 87196-4700 [505]-841-2500
WATER CHEMISTRY SECTION [505]-841-2555

March 30, 1993

Request ID No. 022253

ANALYTICAL REPORT
SLD Accession No. WC-93-0276

Distribution
(__) User 70320
(■) Submitter 260
(▩) SLD Files

To: Kathy Brown
NM Oil Consv. Div.
State Land Office Bldg.
P.O. Box 2088
Santa Fe, NM 87504-2088

From: Water Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A water,Nonpres/No sample submitted to this laboratory on February 4, 1993**

DEMOGRAPHIC DATA

COLLECTION
On: 2-Feb-93 *By:* Bro . . .
At: 11:00 hrs. *In/Near:* Animas

LOCATION
Ditch Water
Burgett Greenhouse, Animas

ANALYTICAL RESULTS

Analysis		Value	D. Lmt.	Units
calcium		37.00		mG/L
magnesium	<	1.00		mG/L
potassium		20.00		mG/L
sodium		369.00		mG/L
bicarbonate		125.00		mG/L
carbonate		0.00		mG/L
chloride		90.00		mG/L
fluoride		11.50		mG/L
sulfate		615.00		mG/L
total diss resid		1332.00		mG/L

Reviewed By: B. P.
Bryan S. Patterson 03/29/93
Analyst, Water Chemistry Section

STATE OF NEW MEXICO DEPARTMENT OF HEALTH
SCIENTIFIC LABORATORY DIVISION
P.O. Box 4700 700 Camino de Salud, NE
Albuquerque, NM 87196-4700 [505]-841-2500
AIR & HEAVY METALS SECTION [505]-841-2553

May 3, 1993

Request ID No. 022254

ANALYTICAL REPORT
SLD Accession No. IC-93-0135

Distribution
(__) User 70320
(■) Submitter 260
(※) SLD Files

To: Kathy Brown
NM Oil Consv. Div.
State Land Office Bldg.
P.O. Box 2088
Santa Fe, NM 87504-2088

From: Air & Heavy Metals Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: **A water,Nonpres/No sample submitted to this laboratory on February 4, 1993**

DEMOGRAPHIC DATA

COLLECTION
On: 2-Feb-93 *By:* Bro . . .
At: 11:00 hrs. *In/Near:* Animas

LOCATION
Ditch Water
Burgett Greenhouse, Animas

ANALYTICAL RESULTS in mG/L

Analysis		Value	Analysis		Value	Analysis		Value
Aluminum		0.30	Cobalt	<	0.05	Nickel	<	0.10
Barium	<	0.10	Copper	<	0.10	Silicon		0.60
Beryllium	<	0.10	Iron	MAX	0.20	Silver	<	0.10
Boron		0.40	Lead	<	0.10	Strontium		0.70
Cadmium	<	0.10	Magnesium		0.50	Tin	<	0.10
Calcium		34.00	Manganese	<	0.05	Vanadium	<	0.10
Chromium	<	0.10	Molybdenum	<	0.10	Zinc	<	0.10

Laboratory Remarks: Digested. Acidified at SLD.

Reviewed By: _____
Jim F. Ashby 05/04/93
Supervisor, Air & Heavy Metals Section

Westech Laboratories Inc.
The Quality People
Since 1955

3737 East Broadway Road
Phoenix, Arizona 85040
(602) 437-1080 • fax 437-8706

CLIENT N.M. OIL CONSERVATION DIVISION
ATTN: KATHY BROWN
P.O. BOX 2088
SANTA FE, NM 87504

SAMPLE NO. : 9303066
INVOICE NO.: 22130408
REPORT DATE: 02-19-93
REVIEWED BY: AEN
PAGE : 1 OF 1

CLIENT SAMPLE ID : 9302021030
SAMPLE TYPE .....: WATER
SAMPLED BY .....: K. BROWN/C. EUSTICE
SUBMITTED BY ....: K. BROWN
SAMPLE SOURCE ...: BURGETT PRODUCED WATER

AUTHORIZED BY : K. BROWN
CLIENT P.O. : --
SAMPLE DATE ...: 02-02-93
SUBMITTAL DATE : 02-08-93
EXTRACTION DATE: --

Cation / Anion Balance

D A T A T A B L E

Parameter	Result	Unit	Detection Limit	Analysis Date
Total Calcium	19.	mg/L	0.05	02-18-93
Total Magnesium	0.41	mg/L	0.10	02-18-93
Total Potassium	23.	mg/L	1.0	02-17-93
Total Sodium	330.	mg/L	0.05	02-18-93
Carbonate	61.	mg/L	2.0	02-11-93
Bicarbonate	24.	mg/L	2.0	02-11-93

(1) Copy to Client

M. Gruel
Managing Director

Westech Laboratories Inc.
The Quality People
Since 1955

3737 East Broadway Road
Phoenix, Arizona 85040
(602) 437-1080 • fax 437-8706

CLIENT N.M. OIL CONSERVATION DIVISION
ATTN: KATHY BROWN
P.O. BOX 2088
SANTA FE, NM 87504

SAMPLE NO. : 9303066
INVOICE NO.: 22130408
REPORT DATE: 02-19-93
REVIEWED BY: AGN
PAGE : 1 OF 1

CLIENT SAMPLE ID : 9302021030
SAMPLE TYPE .....: WATER
SAMPLED BY .....: K. BROWN/C. EUSTICE
SUBMITTED BY ....: K. BROWN
SAMPLE SOURCE ...: BURGETT PRODUCED WATER

AUTHORIZED BY : K. BROWN
CLIENT P.O. : --
SAMPLE DATE ...: 02-02-93
SUBMITTAL DATE : 02-08-93
EXTRACTION DATE: --

Inorganic Chemistry - Total Metals

D A T A T A B L E

Parameter	Result	Unit	Detection Limit	Analysis Date
Total Arsenic	<0.05	mg/L	0.05	02-15-93
Total Barium	0.08	mg/L	0.05	02-15-93
Total Cadmium	<0.05	mg/L	0.05	02-15-93
Total Chromium	<0.05	mg/L	0.05	02-15-93
Total Lead	<0.05	mg/L	0.05	02-15-93
Total Mercury	0.004	mg/L	0.001	02-17-93
Total Selenium	<0.05	mg/L	0.05	02-15-93
Total Silver	<0.05	mg/L	0.05	02-15-93

(1) Copy to Client

M. Graphil
Managing Director

Westech Laboratories Inc.
The Quality People
Since 1955

3737 East Broadway Road
Phoenix, Arizona 85040
(602) 437-1080 • fax 437-8706

CLIENT N.M. OIL CONSERVATION DIVISION
ATTN: KATHY BROWN
P.O. BOX 2088
SANTA FE, NM 87504

SAMPLE NO. : 9303065
INVOICE NO.: 22130408
REPORT DATE: 02-19-93
REVIEWED BY: AEN
PAGE : 1 OF 1

CLIENT SAMPLE ID : 9302020900
SAMPLE TYPE .....: WATER
SAMPLED BY .....: K. BROWN/C. EUSTICE
SUBMITTED BY ....: K. BROWN
SAMPLE SOURCE ...: BURGETT DISCHARGED WATER

AUTHORIZED BY : K. BROWN
CLIENT P.O. : --
SAMPLE DATE ...: 02-02-93
SUBMITTAL DATE : 02-08-93
EXTRACTION DATE: --

Inorganic Chemistry - Total Metals

D A T A T A B L E

Parameter	Result	Unit	Detection Limit	Analysis Date
Total Arsenic .....:	<0.05	mg/L	0.05	02-15-93
Total Barium .....:	0.06	mg/L	0.05	02-15-93
Total Cadmium .....:	<0.05	mg/L	0.05	02-15-93
Total Chromium .....:	<0.05	mg/L	0.05	02-15-93
Total Lead .....:	<0.05	mg/L	0.05	02-15-93
Total Mercury .....:	<0.001	mg/L	0.001	02-17-93
Total Selenium .....:	<0.05	mg/L	0.05	02-15-93
Total Silver .....:	<0.05	mg/L	0.05	02-15-93

(1) Copy to Client

M. Engel
Managing Director

Westech Laboratories Inc.
The Quality People
Since 1955

3737 East Broadway Road
Phoenix, Arizona 85040
(602) 437-1080 • fax 437-8706

CLIENT N.M. OIL CONSERVATION DIVISION
ATTN: KATHY BROWN
P.O. BOX 2088
SANTA FE, NM 87504

SAMPLE NO. : 9303065
INVOICE NO.: 22130408
REPORT DATE: 02-19-93
REVIEWED BY: AGN
PAGE : 1 OF 1

CLIENT SAMPLE ID : 9302020900
SAMPLE TYPE .....: WATER
SAMPLED BY .....: K. BROWN/C. EUSTICE
SUBMITTED BY ....: K. BROWN
SAMPLE SOURCE ...: BURGETT DISCHARGED WATER

AUTHORIZED BY : K. BROWN
CLIENT P.O. : --
SAMPLE DATE ...: 02-02-93
SUBMITTAL DATE : 02-08-93
EXTRACTION DATE: --

Cation / Anion Balance

D A T A T A B L E

Parameter	Result	Unit	Detection Limit	Analysis Date
Total Calcium	17.	mg/L	0.05	02-18-93
Total Magnesium	0.42	mg/L	0.10	02-18-93
Total Potassium	18.	mg/L	1.0	02-17-93
Total Sodium	270.	mg/L	0.05	02-18-93
Carbonate	<2.0	mg/L	2.0	02-11-93
Bicarbonate	72.	mg/L	2.0	02-11-93

(1) Copy to Client

M. Enright
Managing Director

Westech Laboratories Inc.
The Quality People
Since 1955

3737 East Broadway Road
Phoenix, Arizona 85040
(602) 437-1080 • fax 437-8706

CLIENT N.M. OIL CONSERVATION DIVISION
ATTN: KATHY BROWN
P.O. BOX 2088
SANTA FE, NM 87504

SAMPLE NO. : 9303067
INVOICE NO.: 22130408
REPORT DATE: 02-19-93
REVIEWED BY: AGN
PAGE : 1 OF 1

CLIENT SAMPLE ID : 9302021100
SAMPLE TYPE .....: WATER
SAMPLED BY .....: K. BROWN/C. EUSTICE
SUBMITTED BY ....: K. BROWN
SAMPLE SOURCE ...: BURGETT DITCH WATER

AUTHORIZED BY : K. BROWN
CLIENT P.O. : --
SAMPLE DATE ...: 02-02-93
SUBMITTAL DATE : 02-08-93
EXTRACTION DATE: --

Inorganic Chemistry - Total Metals

D A T A T A B L E

Parameter	Result	Unit	Detection Limit	Analysis Date
Total Arsenic .....:	<0.05	mg/L	0.05	02-15-93
Total Barium .....:	<0.05	mg/L	0.05	02-15-93
Total Cadmium .....:	<0.05	mg/L	0.05	02-15-93
Total Chromium .....:	<0.05	mg/L	0.05	02-15-93
Total Lead .....:	<0.05	mg/L	0.05	02-15-93
Total Mercury .....:	<0.001	mg/L	0.001	02-17-93
Total Selenium .....:	<0.05	mg/L	0.05	02-15-93
Total Silver .....:	<0.05	mg/L	0.05	02-15-93

(1) Copy to Client

Managing Director

Westech Laboratories Inc.
The Quality People
Since 1955

3737 East Broadway Road
Phoenix, Arizona 85040
(602) 437-1080 • fax 437-8706

CLIENT N.M. OIL CONSERVATION DIVISION
ATTN: KATHY BROWN
P.O. BOX 2088
SANTA FE, NM 87504

SAMPLE NO. : 9303067
INVOICE NO.: 22130408
REPORT DATE: 02-19-93
REVIEWED BY: AGN
PAGE : 1 OF 1

CLIENT SAMPLE ID : 9302021100
SAMPLE TYPE .....: WATER
SAMPLED BY .....: K. BROWN/C. EUSTICE
SUBMITTED BY ....: K. BROWN
SAMPLE SOURCE ...: BURGETT DITCH WATER

AUTHORIZED BY : K. BROWN
CLIENT P.O. : --
SAMPLE DATE ...: 02-02-93
SUBMITTAL DATE : 02-08-93
EXTRACTION DATE: --

Cation / Anion Balance

D A T A T A B L E

Parameter	Result	Unit	Detection Limit	Analysis Date
Total Calcium .....:	31.	mg/L	0.05	02-18-93
Total Magnesium .....:	1.7	mg/L	0.10	02-18-93
Total Potassium .....:	19.	mg/L	1.0	02-17-93
Total Sodium .....:	300.	mg/L	0.05	02-18-93
Carbonate .....:	<2.0	mg/L	2.0	02-11-93
Bicarbonate .....:	100.	mg/L	2.0	02-11-93

(1) Copy to Client

M. Engel
Managing Director

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone ☐ Personal	Time	Date
	4:30 P.M.	3/1/93

Originating Party	Other Parties
Kathy Brown - OCD (phoneback)	Roy Hawkos - BLM Las Cruces

Subject

Burgett Greenhorn - Out of Compliance with Federal Regulations

Discussion

Noncompliance with Chapter 43 of CFR, Title 43, several fraud statues under Title 18. Working on criminal case. BLM has mineral rights. Burgett has not been complying with any of the federal requirements and the BLM plans to take Burgett to court on this.

Conclusions or Agreements

BLM wants OCD to send a copy of the discharge plan & any other ~~accompanying~~ subsequent materials. Will do - address over

Sent 3/2/93 kwb

Distribution

Signed Kathy Brown

Attn: John Hawkos- Ranger Operations
U.S. Dept. of Interior BLM
Las Cruces District
1800 marquess
Las Cruces, NM 88005

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

January 5, 1993

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

CERTIFIED MAIL
RETURN RECEIPT NO. P-667-241-934

Mr. Dale Burgett
Box 265 A
Animas, New Mexico 88020

RE: Notification of Inspection
Burgett Greenhouse, Discharge Plan GW-41
Hidalgo County, New Mexico

Dear Mr. Burgett:

The New Mexico Oil Conservation Division (OCD) has received your December 30, 1992 reply to the OCD's "Notification of Cessation of Discharge" dated December 10, 1992. Your reply states that your operation is 100% agriculture is therefore exempt from the discharge plan requirement. The OCD will conduct an onsite investigation of your facility to determine if your operation requires a discharge plan pursuant to Water Quality Control Commission Regulations.

OCD Environmental Bureau staff Kathy Brown and Chris Eustice will inspect your facility on Tuesday morning, February 2, 1993. If this is not an acceptable time please notify the OCD immediately so another time may be arranged.

If you have any questions concerning the inspection procedure or time, please contact Kathy M. Brown at (505) 827-5884.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: Roy Johnson, OCD Santa Fe Office

December 30, 1992

TO: ENERGY,MINERALS AND NATURAL RESOURCES DEPARTMENT
Attn.: William J. LeMay,Director

Please be advised that I am exempt under OCD regulations. This operation is 100 % agriculture. Water that is pumped, is from shallow water basin in the Animas Valley District. All water is a potable water and is pumped under a water rights used on land that the water is pumped from and under direction of the State Engineers office. As you know I have contended the exemption exists. If you would, respond to this , if you do not agree that I am exempt.

Signed,

Dale Burgett

Dale Burgett

Box 265A • Animas, New Mexico 88020 • Phone 505/548-2353

December 10, 1992

CERTIFIED MAIL

Mr. Dale Burgett
Box 265 A
Animas, New Mexico 88020

RE: Notification of Cessation of Discharge
Burgett Greenhouse, Discharge Plan GW-41
Hidalgo County, New Mexico

Dear Mr. Burgett:

On July 13, 1992, the Oil Conservation Division (OCD), sent a compliance letter requiring "Burgett Greenhouse to cease all discharges immediately upon receipt of this letter. Operations may not recommence until a discharge plan renewal application is submitted to the OCD and Burgett Greenhouse receives OCD approval to restart operations". Burgett Greenhouse received this letter on July 16, 1992, and responded verbally by telephone to the OCD on July 17, 1992, stating that you would either submit a discharge plan renewal application or apply for an exception to the discharge plan requirement. The OCD granted Burgett Greenhouse verbal approval to continue operations under the stipulation that they would submit the appropriate materials immediately.

The OCD has made numerous attempts to work with Burgett Greenhouse to meet the necessary requirements in a practical, efficient, manner to avoid the situation above. As of this date, the OCD has received no information concerning renewal or a request for an exemption from the discharge plan requirement. As a result continued operation by Burgett Greenhouses constitutes a continuing violation of law. Since you continue to ignore the rules and regulations the OCD has no choice but to resort to legal measures.

A discharge plan is required pursuant to both the New Mexico Water Quality Act 74-6-5 and the New Mexico Water Quality Control Commission (WQCC) Regulations Part

3-104 and Part 5-101.B. In addition, the Geothermal Resources Conservation Act 71-5-8 and Rule G-4 of the OCD Geothermal Resources Rules and Regulations both require geothermal operations to be conducted in a manner that will afford protection to human life and health and to the environment.

Burgett Greenhouse is hereby directed to immediately cease all discharges. You may not resume operations until a OCD approves a discharge plan renewal and authorizes Burgett Greenhouse to operate.

If you do not cease operations immediately, the Division may enjoin your operation and seek civil penalties of up to $1,000 per day per violation pursuant to 74-6-10.B. NMSA 1978 and $5,000 per day under 74-6-5.P. NMSA 1978.

If you have any questions please contact Kathy M. Brown at (505) 827-5884.

Sincerely,

William J. LeMay,
Director

xc: Roy Johnson, OCD Santa Fe Office

P-106 675 329

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to Mr. Dale Burgett	
Street and No. Box 265 A	
P.O., State and ZIP Code Animas, NM 88020	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$
Postmark or Date	

PS Form 3800, June 1985

State of New Mexico
ENVIRONMENT DEPARTMENT
Harold Runnels Building
1190 St. Francis Drive, P.O. Box 26110
Santa Fe, New Mexico 87502
(505) 827-2850

BRUCE KING
GOVERNOR

OFFICE OF GENERAL COUNSEL

JUDITH M. ESPINOSA
SECRETARY

RON CURRY
DEPUTY SECRETARY

FACSIMILE MESSAGE COVER SHEET

TO	FROM
ATTENTION: Kathy Brown	DATE: 11/20/92
SUBJECT:	NAME: Tracy Hughes
DIVISION: OCD	DIVISION: Office of General Counsel
FAX PHONE NO. 5-741	FAX PHONE NO. (505) 827-2836
VERIFICATION PHONE NO.	TOTAL PAGES: 2

ACTION REQUIRED: _____ High Priority _____ Low Priority

MESSAGE:

Kathy -
This letter looks very good. I made a couple of suggestions
Tracy

November 18, 1992

CERTIFIED MAIL
RETURN RECEIPT NO. P-667-241-874

Mr. Dale Burgett
Box 265 A
Animas, New Mexico 88020

RE: Notification of Cessation of Discharge
Burgett Greenhouse, Discharge Plan GW-41
Hidalgo County, New Mexico

Dear Mr. Burgett:

On July 13, 1992, the Oil Conservation Division (OCD), sent a compliance letter requiring "Burgett Greenhouse to cease all discharges immediately upon receipt of this letter. Operations may not recommence until a discharge plan renewal application is submitted to the OCD and Burgett Greenhouse receives OCD approval to restart operations". Burgett Greenhouse received this letter on July 16, 1992, and responded verbally by telephone to the OCD on July 17, 1992, stating that they would either submit a discharge plan renewal application or apply for an exception to the discharge plan requirement. The OCD granted Burgett Greenhouse verbal approval to continue operations under the stipulation that they would submit the appropriate materials immediately. It has been approximately three and one-half months since your last correspondence, and as of this date, the OCD has received no information concerning renewal or a request for an exemption from the discharge plan requirement.

A discharge plan is required pursuant to both the New Mexico Water Quality Act ~~Statue~~ 74-6-5 and the New Mexico Water Quality Control Commission (WQCC) Regulations Part 3-104 and Part 5-101.B. In addition, the Geothermal Resources Conservation Act ~~Statue~~ 71-5-8 and Rule G-4 of the OCD Geothermal Resources Rules and Regulations both require geothermal operations to be conducted in a manner that will afford protection to human life and health and to the environment.

Burgett Greenhouse is in violation of ~~all of~~ the ~~statues~~ statutes and rules referenced in the above paragraph. The OCD requires Burgett Greenhouse to cease all discharges immediately upon receipt of this letter. Operations may not recommence until a discharge plan renewal application is approved by the OCD and Burgett Greenhouse receives OCD approval to restart operations.

~~Please note that~~ If operations do not cease immediately upon receipt of this letter, ~~then~~ the Division ~~may assess~~ seek civil penalties of up to ~~$1,000~~ $1,000 per day per violation pursuant to §74-6-10 NMSA 1978 and up to $1,000 per day per violation pursuant to §74-6-5.J NMSA 1978.

The OCD has made numerous attempts to work with Burgett Greenhouse to meet the necessary requirements in a practical, efficient manner to avoid the situation above. However, since you continue to ignore the rules and regulation the OCD has no choice but to resort to legal measures. If you have any questions concerning the restart of your operations, please contact Kathy M. Brown at (505) 827-5884.

Sincerely,

William J. LeMay
Director

Changed to Bob Stovall

xc: Roy Johnson, OCD Santa Fe Office
BLM ???

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone ☐ Personal	Time	Date
	9:00 P.M.	11/19/92

Originating Party	Other Parties
K. Brown - OCD	Tracy Hugh - NMED General Counsel x-2836 [Phone] [Fax]

Subject: Burgett Greenhouse - Enforcement Actions

Discussion: Yes, they often send letters to people refusing to get a discharge plan (new/renewal). Typically, take it to district (state) court in the district the violation is occuring. If it is only a paper violation (ie not polluting) then usually the courts don't look to serious at it. If possible, best to get a lawyer to sign the letter. Typically try to ~~send~~ get compliance through several compliance letters and therefore don't have to go to court. Will fax Tracy our compliance letter & let her comment on it.

Conclusions or Agreements:

Distribution:

Signed Kathy Brown

BURGETT GREENHOUSE
LIST OF EVENTS
(as of August 1992)

April 16, 1987:	Discharge Plan GW-41 approved.
August 7, 1991:	OCD notified Burgett of DP renewal.
January 1, 1992:	OCD notified Burgett of DP fees and reminded Burgett of DP renewal.
April 1, 1992:	OCD tried to reach Burgett by phone; not available, left message to return call.
April 16, 1992:	Discharge Plan GW-41 expired.
June 24, 1992:	OCD tried to reach Burgett by phone; not available, left message to return call.
July 13, 1992:	OCD notification to cease all discharges upon receipt of the letter.
July 17, 1992:	OCD phoned Burgett. Allowed Burgett to keep operating if he'd get something in immediently. Burgett agreed.
July 18, 1992:	OCD sent Burgett the renewal application since he stated he wasn't sure where the ones sent earlier were at.

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone ☐ Personal	Time	Date
	1:30 P.m.	7/17/92

Originating Party	Other Parties
Dale Burgett (returned call)	Kathy Brown OCD

Subject: Response to OCD compliance letter telling him to cease discharge or may be fined up to $10,000 per day.

Discussion: Not a happy person. Doesn't see why farmers don't need to comply with this rule/discharge plan. Feels that he's over regulated. Already State Engineer + BLM have specific requirements. Explained our situation of consistent and equal enforcement of the reg.s. He said he wasn't sure if he had the materials that I sent him earlier for renewal. I stated I'd send him the information again. He isn't sure if he'll comply or try to get a DP exception. I told him whatever he does he'd better do it quickly. He said he'd send something in as soon as he gets it.

Conclusions or Agreements

Got Burgett's attention. Not sure which action he'll take, but at least he's responding.

Distribution

Signed Kathy Brown

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

July 13, 1992

CERTIFIED MAIL
RETURN RECEIPT NO. P-667-241-869

Mr. Dale Burgett
Box 265 A
Animas, New Mexico 88020

RE: Notification of Cessation of Discharge
Burgett Greenhouse, Discharge Plan GW-41
Hidalgo County, New Mexico

Dear Mr. Burgett:

On April 16, 1987, the ground water discharge plan, GW-41 for the Burgett Greenhouse located in Section 7, Township 25 South, Range 19 West, NMPM Hidalgo County, New Mexico, was approved by the Director of the Oil Conservation Division (OCD). This discharge plan was required and submitted pursuant to Water Quality Control Commission (WQCC) regulations and was approved for a period of five years or until April 16, 1992. In a letter dated August 7, 1991 the OCD notified Burgett Greenhouse that the discharge plan would expire on April 16, 1992, and that an application for renewal of the discharge plan was required prior to its expiration.

The discharge plan GW-41 has been expired for approximately three months and Burgett Greenhouse has failed to submit a discharge plan renewal application.

The OCD requires Burgett Greenhouse to cease all discharges immediately upon receipt of this letter. Operations may not recommence until a discharge plan renewal application is submitted to the OCD and Burgett Greenhouse receives OCD approval to restart operations. If you feel that a discharge plan is not required for your facility pursuant to WQCC regulation 3-105, then you must submit the necessary information to obtain an OCD approved exemption from the discharge plan requirement.

Please note that if operations do not cease immediately upon receipt of this letter then the Division may assess civil penalties of up to $10,000 per day.

Numerous attempts have been made to contact you and discuss options available to avoid the situation above. If you have any questions concerning your discharge plan renewal or exemption, please contact Kathy M. Brown at (505) 827-5884.

Sincerely,

William J. LeMay
Director

xc: Roy Johnson, OCD Santa Fe Office

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

[X] Telephone [ ] Personal	Time	Date
	9:22 A.M	6/24/92

Originating Party	Other Parties
K.M. Brown (548-2353)	Mr Dale Burgett

Subject: DP Renewal Submittal

Are you going to submit one?

If not will send compliance letter

Discussion: Not in, will call back (9:22 A.m.)

Conclusions or Agreements

Distribution

Signed

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

January 31, 1992

CERTIFIED MAIL
RETURN RECEIPT NO. P-670-683-486

Mr. Dale Burgett
Box 265 A
Animas, New Mexico 88020

RE: Discharge Plan Fee for GW-41
Burgett Greenhouse
Hidalgo County, New Mexico

Dear Mr. Burgett:

Pursuant to the New Mexico Water Quality Control Commission (WQCC) Regulation 3-114 "every billable facility submitting a discharge plan for approval, modification or renewal shall pay the fees specified in this section to the Water Quality Management Fund." Enclosed is a copy of WQCC Rule 3-114 effective as of August 18, 1991.

The Oil Conservation Division (OCD) requested a discharge plan renewal application for the Burgett Greenhouse on August 7, 1991, and to date has not received the renewal application. Enclosed is a copy of the letter sent by the OCD notifying you of the discharge plan renewal. Since your discharge plan renewal application will be submitted after the effective date of the WQCC regulation 3-114 (discharge plan fee), your facility is subject to the fees.

Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of fifty (50) dollars plus one-half of the flat fee or for geothermal wells, six-hundred and ninety (690) dollars.

The $50 filing fee is due at the time the discharge plan renewal application (GW-41) is submitted and is nonrefundable. The flat fee for an approved discharge plan may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the discharge plan, with the first payment due at the time of approval.

Please make all checks out to the **NMED - Water Quality Management** and send to the OCD Santa Fe Office. If you have any questions, please do not hesitate to contact me at (505) 827-5884.

Sincerely,

Kathy Brown

Kathy M. Brown
Environmental Geologist

Enclosure

xc: OCD Artesia Office
Chris Eustice - OCD Hobbs Office

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

August 7, 1991

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

CERTIFIED MAIL
RETURN RECEIPT NO. P-756-666-909

Mr. Dale Burgett
Box 265 A
Animas, New Mexico 88020

RE: Discharge Plan GW-41
Burgett Greenhouse
Hidalgo County, New Mexico

Dear Mr. Burgett:

On April 16, 1987, the ground water discharge plan, GW-41 for the Burgett Greenhouse located in Section 7, Township 25 South, Range 19 West, NMPM, Hidalgo County, New Mexico, was approved by the Director of the Oil Conservation Division (OCD). This discharge plan was required and submitted pursuant to Water Quality Control Commission (WQCC) regulations and was approved for a period of five years. The approval will expire on April 16, 1992.

If your facility continues to have effluent or leachate discharges and you wish to continue discharging, please submit your application for renew al of plan approval as quickly as possible. The OCD is reviewing discharge plan submittals and renewals carefully and the review time can often extend for several months. Please indicate whether you have made, or intend to make, any changes in your discharge system, and if so, include an application for plan amendment with your application for renewal. To assist you in preparation of your renewal application, I have enclosed a copy of the OCD's guidelines for preparation of ground water discharge plans at natural gas processing plants. These guidelines are presently being revised to include berming of tanks, curbing and paving of process area susceptible to leak or spills and the disposition of any solid wastes. Please include these items in your renewal application.

If you no longer have such discharges a discharge plan renewal is not needed, please notify this office.

Please note that all gas plants, refineries and compressor stations in excess of 25 years of age will be required to submit plans for, or the results of, an underground drainline testing program as a requirement for discharge plan renewal.

If you have any questions, please do not hesitate to contact Roger Anderson at (505) 827-5884.

Sincerely,

David G. Boyer, Hydrogeologist
Environmental Bureau Chief

DGB/sl

Enclosures

cc: OCD Artesia Office

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

April 16, 1987

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Dale Burgett
Box 265 A
Animas, New Mexico 88020

RE: Discharge Plan (GW-41)
Burgett Greenhouse
Animas, Hidalgo County

Dear Mr. Burgett:

The ground water discharge plan (GW-41) for the greenhouse located in Section 7, Township 25 South, Range 19 West, Hidalgo County, New Mexico, is hereby approved.

The approved discharge plan consists of the plan received January 5, 1987, and the lab analyses and information received January 28, 1986 and March 9, 1987.

The discharge plan was submitted pursuant to Section 3-106 of the New Mexico Water Quality Control Commission Regulations. It is approved pursuant to Section 3-109.F., which provides for the possible future amendments of the plan. Please be advised that the approval of this plan does not relieve you of liability should your operation result in actual pollution of surface or ground waters which may be actionable under other laws and/or regulations.

There will be no routine monitoring or reporting requirements other than those contained in the plan.

Please note that Section 3-104 of the regulations requires that "when a plan has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 3-107.C., you are required to notify the Director of any facility expansion, production increase, or process modification that would result in any significant change in discharge water quality or volume.

Pursuant to Section 3-109.G.4, this plan approval is for a period of five (5) years. This approval will expire April 16, 1992 and you should submit an application for renewal in ample time before that date.

On behalf of the staff of the Oil Conservation Division, I wish to thank you for your cooperation during this discharge plan review.

Sincerely,

WILLIAM J. LEMAY
Director

WJL/JB/cr

cc: OCD - Roy Johnson

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been amended and resubmitted for approval to the Director of the Oil Conservation Division, State Land Office Building, P. O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-5800:

(GW-41) Burgett Greenhouse, Dale Burgett, Box 265A, Animas, New Mexico 88020, has submitted for approval a ground water discharge plan for the facility located in Section 7, Township 25 South, Range 19 West, Hidalgo County, New Mexico. A maximum volume of 336,000 gallons per day of cooled geothermal water with at total dissolved solids content of 1115 will be discharged during the winter months to irrigate farm land. No discharge is anticipated during summer months. Uppermost ground water is geothermal and has a TDS of 1195 at a depth of 60 feet.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN Under the Seal of the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 11th day of March, 1987. To be published on or before March 20, 1987.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY
Director

S E A L

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF HIDALGO } ss.

.....Jack Wade....., being first duly sworn, says that he is the manager of the LORDSBURG LIBERAL, a weekly newspaper of general circulation, published in the City of Lordsburg, in said county and state, and has been such during the time hereinafter mentioned, and that the advertisement headed, ...Lordsburg Liberal.....

a copy of which is hereto attached, was printed and published in every copy of each issue of said newspaper for a period of .....1..... consecutive weeks;

to wit: first publication .....March 20....., 1987.....;

last publication ....., 19.....

Publication fee $...33.96.....

(Plus Tax)

.....Jack Wade.....

Manager

STATE OF NEW MEXICO
COUNTY OF HIDALGO } ss.

Subscribed and sworn to before me this .....31st..... day of

March....., 19.87.....

.....Linda S. Harris.....

Notary Public

My commission expires ...June 27....., 19.90.....

Accounts are due and payable upon receipt of statement.

==========

LEGAL

==========

Notice is hereby given that pursuant to New Mexico water Quality Control Commission Regulations, the following discharge plan application has been amended and resubmitted for approval to the Director of the Oil Conservation Division, State Land Office Building, P.O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-5800:

(GW-41) Burgett Greenhouse, Dale Burgett, Box 265A, Animas, New Mexico 88020, has submitted for approval a ground water discharge plan for the facility located in Section 7, Township 25 South, Range 19 West, Hidalgo County, New Mexico. A maximum volume of 336,000 gallons per day of cooled geothermal water with a total dissolved solids content of 1115 will be discharged during the winter months to irrigate farm land. No discharge is anticipated during summer months. Uppermost ground water is geothermal and has a TDS of 1195 at depth of 60 feet.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN Under the Seal of the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 11th day of March, 1987. To be published on or before March 20, 1987.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
WILLIAM J. LEMAY
DIRECTOR

SEAL

==========

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE

Ecological Services
Suite D, 3530 Pan American Highway NE
Albuquerque, New Mexico 87107

March 23, 1987

Mr. William J. Lemay
Oil Conservation Division
State of New Mexico
State Land Office Building
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Dear Mr. Lemay:

We have reviewed the following proposed discharge plan and have not identified any resource issues of concern to our agency; GW-44 Burgett Greenhouse, Hidalgo County, Animas, New Mexico.

These comments represent the views of the Fish and Wildlife Service. Thank you for the opportunity to review the proposed plan. If you have any questions concerning our comments, please contact Tom O'Brien at (505) 883-7877 or FTS 474-7877.

Sincerely yours,

John C. Peterson
Field Supervisor

cc:
Director, New Mexico Department of Game and Fish, Santa Fe New Mexico
Director, New Mexico Health and Environment Department, Environmental Improvement Division, Santa Fe, New Mexico
Regional Adminitrator, Environmental Protection Agency, Dallas, Texas
Regional Director, FWS, FWE, Albuquerque, New Mexico

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been amended and resubmitted for approval to the Director of the Oil Conservation Division, State Land Office Building, P.O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505)827-5800.

(GW-41) Burgett Greenhouse, Dale Burgett, Box 265A, Animas, New Mexico 88020, has submitted for approval a ground water discharge plan for the facility located in Section 7, Township 25 South, Range 19 West, Hidalgo County, New Mexico. A maximum volume of 336,000 gallons per day of cooled geothermal water with at total dissolved solids content of 1115 will be discharged during the winter months to irrigate farm land. No discharge is anticipated during summer months. Uppermost ground water is geothermal and has a TDS of 1195 at a depth of 60 feet.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 11th day of March, 1987. To be published

STATE OF NEW MEXICO }
County of Bernalillo } ss

THOMAS J. SMITHSON

..... being duly sworn declares and

says that he is NAT'L ADV. MGR. ..... of the **Albuquerque Journal,** and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made or assessed as court costs; that the notice, a copy of which is hereto attached, was published in said paper in the regular daily edition,

for ..... 1 ..... times, the first publication being on the ....17..... day

of ..... March ..... ,198.7....., and the subsequent consecutive

publications on ..... ,198.....

..... Thomas J. Smithson ...

IAL SEAL'
IE MONTOYA
PUBLIC - STATE OF NEW MEXICO
Public Filed with Secretary of State
mission Expires 4-18-90

Sworn and subscribed to before me, a Notary Public in and for the County of Bernalillo and State of New Mexico, this ....17.... day of ..March..... ,198..7

PRICE ..... 19.28 .....

Statement to come at end of month.

ACCOUNT NUMBER ..C 80930.....

EDJ-15 (R-2/86)

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been amended and resubmitted for approval to the Director of the Oil Conservation Division, State Land Office Building, P. O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-5800:

(GW-41) Burgett Greenhouse, Dale Burgett, Box 265A, Animas, New Mexico 88020, has submitted for approval a ground water discharge plan for the facility located in Section 7, Township 25 South, Range 19 West, Hidalgo County, New Mexico. A maximum volume of 336,000 gallons per day of cooled geothermal water with at total dissolved solids content of 1115 will be discharged during the winter months to irrigate farm land. No discharge is anticipated during summer months. Uppermost ground water is geothermal and has a TDS of 1195 at a depth of 60 feet.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN Under the Seal of the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 11th day of March, 1987. To be published on or before March 20, 1987.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY
Director

S E A L

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone ☐ Personal	Time 9:15	Date 3/9/87

Originating Party	Other Parties
Burgett 548-2353	Jami Bailey

Subject

Discharge Plan application
Question on volumes of geothermal water discharged

Discussion

In 1986, approximate volumes ranged from 0-400 gpm for a daily maximum of 14 hours. There is no set volume because the volume is dependent on the weather. Reported volumes to the Minerals Management Service have always been reported high to protect financial payments for heat use to feds.

Conclusions or Agreements

Will readvertise before approval.

Distribution

Signed Jami Bailey

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

March 2, 1987

Certified Mail
Return Receipt Requested

Mr. Dale Burgett
Box 265 A
Animas, New Mexico 88020

Dear Mr. Burgett:

Following public notice of the discharge plan application for your greenhouse operation, we received information that the volume discharge as listed in the application was not in agreement with yearly production reports filed with the Minerals Management Service. The discharge plan can not be approved until the correct volume of discharge is advertised by public notice.

The discharge plan was submitted pursuant to Section 3-106 of the New Mexico Water Quality Control Commission Regulations. Section 3-104 of the regulations requires that "when a plan has been approved, discharges must be consistent with the terms and conditions of the plan."

You are required to report the correct total volume discharged from the greenhouse operations in gallons per day.

This information should be sent to me within ten days of receipt of this letter. If you have any questions, please call me at 827-5884.

Sincerely,

Jami Bailey
Field Representative

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

February 17, 1987

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Mr. Roy A. Cuniff
224 W. Greening
Las Cruces, N.M. 88005

Dear Mr. Cuniff:

As requested by your letter of January 28, I am sending you parts of the Burgett Greenhouse discharge plan. The discrepancy of volumes listed in the discharge plan application and in the yearly production reports to the Minerals Management Service is being investigated. An investigation into protection of geothermal correlative rights is not within the scope of the Water Quality Act, which regulates discharge plans.

If you have any questions regarding this matter, please contact me at 827-5884.

Sincerely,

JAMI BAILEY
Field Representative

JB:dp

ENC:

xc: Roy Johnson

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE

Ecological Services
Suite D, 3530 Pan American Highway NE
Albuquerque, New Mexico 87107

February 5, 1987

Mr. Charles Roybal, Acting Director
Oil Conservation Division
State of New Mexico
State Land Office Building
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Dear Mr. Roybal:

We have reviewed the following proposed discharge plans and have not identified any resource issues of concern to our agency; GW-6, El Paso Natural Gas Company, Washington Ranch Storage Project, Eddy County, New Mexico; GW-41, Burgett Greenhouse, Hidalgo County, Animas, New Mexico, and GW-32, Grant Refining Company, McKinley County, Gallup, New Mexico.

These comments represent the views of the Fish and Wildlife Service. Thank you for the opportunity to review the proposed plans. If you have any questions concerning our comments please contact Tom O'Brien at (505) 883-7877 or FTS 474-7877.

Sincerely yours,

John C. Peterson
Field Supervisor

cc:
Director, New Mexico Department of Game and Fish, Santa Fe, New Mexico
Director, New Mexico Health and Environment Department, Environmental Improvement Division, Santa Fe, New Mexico
Regional Administrator, Environmental Protection Agency, Dallas, Texas
Regional Director, FWS, FWE, Albuquerque, New Mexico

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF HIDALGO } ss.

Jack Walz, being first duly sworn, says that he is the manager of the LORDSBURG LIBERAL, a weekly newspaper of general circulation, published in the City of Lordsburg, in said county and state, and has been such during the time hereinafter mentioned, and that the advertisement headed, Lordsburg Liberal a copy of which is hereto attached, was printed and published in every copy of each issue of said newspaper for a period of 1 consecutive weeks; to wit: first publication Jan 23, 1987; last publication ....., 19.....

Publication fee $ 32.89 (Plus Tax)

Jack Walz
Manager

STATE OF NEW MEXICO
COUNTY OF HIDALGO } ss.

Subscribed and sworn to before me this 28th day of January, 19 87

Linda S. Harris
Notary Public

My commission expires June 27, 19 90

for approval a ground water discharged plan for the facility located in section 7, Township 25 South, Range 19 West, Hidalgo County, New Mexico. Approximately 150,000 gallons per day of cooled geothermal water with a total dissolved solids content of 1115 will be discharged during the winter months to irrigate farm land. No discharge is anticipated during summer months. Uppermost ground wate is geothermal and has a TDS of 1195 at a depth of 60 feet.

Any interested persons may obtain further information from the Oil Conservation division and may submit written comments to the Director of the Oil Conservation Division at the address given above. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Cosnsrvation Division shall allow at least thirty (30) days after date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested persons. Requests for public hearing shall set forth the reasons why a hearing should be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is hedl, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN Under the Seal of the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 9th day of January, 1987.

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

CHARLES ROYBAL

Acting Director

Jan. 23/1tc.

LEGAL

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY AND MINERALS
DEPARTMENT OIL
CONSERVATION
DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plans have been submitted for renewal or approval to the Director of the Oil Conservation division, State Land Office Building, P.O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-5800:

(GW-6) El Paso Natural Gas Company, Washington Ranch Storage Project, John Bridges, Manager, Environmental Engineering, Box 1492, El Paso, Texas 79978, has submitted an application to renew the previously approved discharge plan for its facility located in Section 34, Township 25 South, Range 24 East (NMPM), Eddy County, New Mexico. Approximately 13,500 gallons per day of dehydrator waste water will be contained in above ground steel tanks prior to disposal in an OCD-approved contract injection well. The discharge plan addresses how spills, leaks and other discharges to ground water at the plant site will be managed. Ground water most likely to be affected by any discharge at the surface is at a depth of approximately 80 feet and has a total dissolved solids concentration of approximately 1475 mg/1.

(GW-4) Burgett Greenhouse, Dale Burgett, Box 265A, Animas, New Mexico 88020, has submitted for approval a ground water discharged plan for the facility located in section 7, Township 25 South, Range 19 West, Hidalgo County, New Mexico. Approximately 150,000 gallons per day of cooled geothermal water with a total dissolved solids content of 1115 will be discharged during the winter

January 28, 1987

Charles Roybal, Acting Director
Oil Conservation Division
Santa Fe, New Mexico

Dear Mr. Roybal,

As requested by your notice in the Albuquerque Journal of January 25, 1987, I am requesting further information relative to the proposed discharge plan submitted by Burgett Greenhouse, Animas New Mexico.

As a leaseholder of geothermal rights on two tracts of State of New Mexico land, located near Burgett Greenhouse, I would appreciate a copy of the proposed plan and any supporting data.

I reserve the right to submit further comments after I have had an opportunity to review the file.

Thank you for your assistance in this matter.

Sincerely,

Roy A. Cunniff
224 W. Greening
Las Cruces, NM 88005

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plans have been submitted for renewal or approval to the Director of the Oil Conservation Division, State Land Office Building, P.O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505)827-5800.

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GIVEN under the Seal of the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 9th day of January, 1987. To be published on or before January 16, 1987.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
s/Charles Roybal
Acting Director

Journal, January 25, 1987

RECEIVED
JAN 30 1987
OIL CONSERVATION DIVISION
SANTA FE

STATE OF NEW MEXICO } ss
County of Bernalillo

THOMAS J. SMITHSON .... being duly sworn declares and says that he is NAT'L ADV. MGR. of the **Albuquerque Journal**, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made or assessed as court costs; that the notice, a copy of which is hereto attached, was published in said paper in the regular daily edition,

for ...1... times, the first publication being on the ...25... day of ...January..., 198...7, and the subsequent consecutive publications on ...., 198.....

...[signature]...

SEAL
MONTOYA
STATE OF NEW MEXICO
Public Filed with Secretary of State
Commission Expires 9-13-91

Sworn and subscribed to before me, a Notary Public in and for the County of Bernalillo and State of New Mexico, this ...26... day of ...January..., 198...7

[signature]

PRICE ...26.08 + .50 = 26.58 extra aff...

Statement to come at end of month.

EDJ-15 (R-2/86)

ACCOUNT NUMBER ...C80932...

NOTICE OF PUBLICATION

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plans have been submitted for renewal or approval to the Director of the Oil Conservation Division, State Land Office Building, P. O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-5800:

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GIVEN Under the Seal of the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 9th day of January, 1987. To be published on or before January 16, 1987.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

CHARLES ROYBAL
Acting Director

S E A L

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501-2088
(505) 827-5800

December 15, 1986

Mr. Dale Burgett
Box 265A
Animas, N.M. 88020

Dear Mr. Burgett:

A discharge plan is required for your greenhouse operation, but much of the information required under WQCC regulation 3-106.C was obtained during our sampling trip in January, 1986. For your convenience in filing a discharge plan, I have enclosed an outline form for the discharge plan application. New Mexico Water Quality Control Commission (WQCC) Regulations on discharges and ground water standards were sent to you last May.

Provided that the information listed on the outline is submitted to the Oil Conservation Division (even in short-answer form), and no changes have been made in the operation since our inspection, this discharge plan will be approved following public notice. Please notify this office if any changes have been made in the storage, use, or discharge of the geothermal waters. Feel free to contact me at 827-5884 if I can be of any assistance.

Sincerely,

JAMI BAILEY
Field Representative

JB:dp

Enc.

cc: Roy Johnson

Discharge Plan for Burgett Geothermal Plant

I. General Information

A. Name, Address and Telephone Number for Discharger or Legally Responsible Party:

Dale Burgett PH 5482353
PO Box 265A
Animas, N Mex 88020

B. Location of Discharge: Section 7, Township 25 (~~North~~) (South), Range 19 (~~East~~) (West)

C. Type of Operation:

Greenhouse & Farm

D. Affirmation:

"I hereby certify that I am familiar with the information contained in and submitted with this application and that such information is true, accurate and complete to the best of my knowledge and belief."

Dale Burgett (Signature) 1-3-87 (Date)

DALE BURGETT (Printed Name of Person Signing) Mgr. (Title)

II. Plant Processes

A. Describe storage and uses of geothermal waters.

Geothermal used to Irrigate Farm Land, has also been used from 1949

B. Estimated quantities used in gallons per day (gpd).

0 summer
150,000 Winter

C. Any additives or commingling.

Yes

III. Site Characteristics

A. Provide the name, description, and location of any ground water discharge sites (water wells, seeps, springs,) within one mile of the outside perimeter of the facility. For water wells, specify use of water (e.g., irrigation, domestic, etc.)

all water comes from, to 60' Water Level and is Ground Water all water used for Irrigation

B. If known, provide the flow direction of the ground water most likely to be affected by the discharge. Include the source of the information and how was it determined.

Flow is to NW as per info from drilled wells

C. Depth to rock at base of alluvium: 90'

Note This is not a discharge program, it is a utilization of the Surface water

1 To Generate Power
2 To Heat Greenhouses
3 Fish production (Future)
4 Irrigation of existing Farm lands

all under direction of State Engineer under Valid waterrights

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501-2088
(505) 827-5800

December 15, 1986

Mr. Dale Burgett
Box 265A
Animas, N.M. 88020

Dear Mr. Burgett:

A discharge plan is required for your greenhouse operation, but much of the information required under WQCC regulation 3-106.C was obtained during our sampling trip in January, 1986. For your convenience in filing a discharge plan, I have enclosed an outline form for the discharge plan application. New Mexico Water Quality Control Commission (WQCC) Regulations on discharges and ground water standards were sent to you last May.

Provided that the information listed on the outline is submitted to the Oil Conservation Division (even in short-answer form), and no changes have been made in the operation since our inspection, this discharge plan will be approved following public notice. Please notify this office if any changes have been made in the storage, use, or discharge of the geothermal waters. Feel free to contact me at 827-5884 if I can be of any assistance.

Sincerely,

JAMI BAILEY
Field Representative

JB:dp

Enc.

cc: Roy Johnson

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501-2088
(505) 827-5800

May 27, 1986

Mr. Dale Burgett
Box 265A
Animas, N.M. 88020

Dear Mr. Burgett:

Although a discharge plan is required for your greenhouse operation, much of the information required under WQCC regulation 3-106.C was obtained during our sampling trip in January. For your convenience in filing a discharge plan, I have enclosed an outline form along with the lab analyses of wells in the area. These analyses indicate the total dissolved solids (TDS) of ground water, which is required for the discharge plan.

Provided that the information listed on the outline is submitted to the Oil Conservation Division (even in short-answer form), and no changes have been made in the operation since our inspection, this discharge plan will be approved following public notice. Please feel free to contact me at 827-5884 if I can be of any assistance.

Sincerely,

JAMI BAILEY
Field Representative

JB:dp

Enc.

cc: Roy Johnson

Discharge Plan for Burgett Geothermal Plant

I. General Information

A. Name, Address and Telephone Number for Discharger or Legally Responsible Party:

B. Location of Discharge: Section ____, Township _____ (North) (South), Range _____ (East) (West)

C. Type of Operation:

D. Affirmation:

"I hereby certify that I am familiar with the information contained in and submitted with this application and that such information is true, accurate and complete to the best of my knowledge and belief."

_____ _____
(Signature) (Date)

_____ _____
(Printed Name of Person Signing) (Title)

II. Plant Processes

A. Describe storage and uses of geothermal waters.

B. Estimated quantities used in gallons per day (gpd).

C. Any additives or commingling.

III. Site Characteristics

A. Provide the name, description, and location of any ground water discharge sites (water wells, seeps, springs,) within one mile of the outside perimeter of the facility. For water wells, specify use of water (e.g., irrigation, domestic, etc.)

B. If known, provide the flow direction of the ground water most likely to be affected by the discharge. Include the source of the information and how was it determined.

C. Depth to rock at base of alluvium:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501-2088
(505) 827-5800

May 15, 1986

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Dale Burgett
Box 265A
Animas, N.M. 88020

Dear Mr. Burgett:

Enclosed are copies of the water analyses from samples taken on January 28, 1986, by Roy Johnson and Jami Bailey. Included with the analyses is a copy of the New Mexico Water Quality Control Commission (WQCC) regulations on discharges and ground water standards.

Because of the fluoride concentration and the method of discharging the geothermal waters onto the surface of the ground, you are hereby notified that a discharge plan must be submitted and approved. This notification of discharge plan requirement is pursuant to Sections 3-104 and 3-106 of the WQCC regulations. The discharge plan defined in Section 1-101.P of the WQCC Regulations should cover all discharges of effluent or leachate at the greenhouse site or adjacent to the greenhouse site.

Section 3-106.A. of the regulations requires a submittal of the discharge plan within 120 days of receipt of this notice unless an extension of this time period is sought and approved for good cause. Section 3-106.A. also allows the discharge to continue without an approved discharge plan until 240 days after written notification by the director that a discharge plan is required. An extension of this time may be sought and approved for good cause.

If there are any questions on this matter, please feel free to call Jami Bailey or Dave Boyer at (505) 827-5884.

Sincerely,

R. L. STAMETS
Director

RLS:JB:dp

Enclosures

cc: Roy Johnson

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

EN

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED: 2/10/86	LAB NO. WC 5621	USER CODE: ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE: 1/28/86	SITE INFORMATION ►	Sample location: BURGETT GEOTHERMAL WELL	
Collection TIME: 0900		Collection site description: T T25S R19W BYPASS VALVE AT WELLHEAD	
Collected by — Person/Agency: BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►
ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501
Attn: David Boyer

Station/well code:
Owner: DALE BURGETT

SAMPLING CONDITIONS

☐ Bailed ☒ Pump ☐ Dipped ☐ Tap	Water level: STATIC W.L. 65' DEPTH TO WATER 90'	Discharge: 300 gpm	Sample type:
pH (00400): 8.1	Conductivity (Uncorrected): 2900 µmho	Water Temp. (00010): 48 °C	Conductivity at 25°C (00094): µmho

Field comments: PUMPED FOR 10HRS/DAY TO HEAT GREENHOUSES. REPORTED TO BE 240° F AT WELLHEAD. T.D. 250'

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☐ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane filter ☐ **A:** 2 ml H_2SO_4/L added

☒ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

NF, NA		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☐ Other:			
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☒ Calcium (00915)	11.6	mg/l	2/10
☒ Magnesium (00925)	6.34	mg/l	"
☒ Sodium (00930)	332.3	mg/l	"
☒ Potassium (00935)	12.9	mg/l	"
☒ Bicarbonate (00440)	101.7	mg/l	2/18
☒ Chloride (00940)	94.3	mg/l	2/20
☒ Sulfate (00945)	585	mg/l	2/18
☒ Total filterable residue (dissolved) (70300)	1195	mg/l	3/13
☒ Other: CO_3	6.0		2/18
X F	12.5		2/27

NF, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst:
Date Reported: 3/24/86
Reviewed by:

Laboratory remarks:

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

RF · HEAVY METALS

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 2 10 86	LAB NO. HM 279	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 1 28 86	SITE INFORM-ATION ►	Sample location: BURGETT GEOTHERMAL WELL	
Collection TIME 0900		Collection site description: T T25S R19W BYPASS VALVE AT WELLHEAD	
Collected by — Person/Agency: BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►
ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501
Attn: David Boyer

Station/well code:
Owner: DALE BURGETT

SAMPLING CONDITIONS

☐ Bailed ☒ Pump ☐ Dipped ☐ Tap	Water level STATIC W.L. 65' DEPTH TO WATER 90'	Discharge 300 gpm	Sample type
pH (00400) 8.1	Conductivity (Uncorrected) 2900 µmho	Water Temp. (00010) 48 °C	Conductivity at 25°C (00094) µmho

Field comments: PUMPED FOR 10HRS/DAY TO HEAT GREENHOUSES. REPORTED TO BE 240° F AT WELLHEAD. T.D. 250'

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted 1

☐ NF: Whole sample (Non-filtered) ☒ F: Filtered in field with 0.45 µmembrane filter ☒ A: ~~2 ml H_2SO_4~~/L added HNO_3

☐ NA: No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

~~NF~~ NA F A HNO_3	Units	Date analyzed	F, NA	Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)	µmho		☐ Calcium (00915)	mg/l	
☐ Total non-filterable residue (suspended) (00530)	mg/l		☐ Magnesium (00925)	mg/l	
☒ Other: ICAP SCAN			☐ Sodium (00930)	mg/l	
☒ Other: Se			☐ Potassium (00935)	mg/l	
☐ Other: Ag			☐ Bicarbonate (00440)	mg/l	
			☐ Chloride (00940)	mg/l	
			☐ Sulfate (00945)	mg/l	
			☐ Total filterable residue (dissolved) (70300)	mg/l	
			☐ Other:		

NF, A-H_2SO_4			F, A-H_2SO_4		
☐ Nitrate-N +, Nitrate-N total (00630)	mg/l		☐ Nitrate-N +, Nitrate-N dissolved (00631)	mg/l	
☐ Ammonia-N total (00610)	mg/l		☐ Ammonia-N dissolved (00608)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l		☐ Total Kjeldahl-N ( )	mg/l	
☐ Chemical oxygen demand (00340)	mg/l		☐ Other:		
☐ Total organic carbon ( )	mg/l				
☐ Other:					
☐ Other:					

Analyst | Date Reported: 4 18 86 | Reviewed by: Jim Ashley

Laboratory remarks:

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

Lab Number: [redacted] M 279

Sample [redacted]e: Burgett Geothermal Well

Date Submitted: 2/10/86

Date Analyzed: 2/17/86

By: Bailey

Reviewed By: Jim Ashby

Date Reported: 4/18/86

Element	ICAP VALUE(MG/L)	AA VALUE(MG/L)
Aluminum	<0.1	
Barium	<0.1	
Berylium	<0.1	
Boron	0.5	
Cadmium	<0.1	
Calcium	21.	
Chromium	<0.1	
Cobalt	<0.1	
Copper	<0.1	
Iron	<0.1	
Lead	<0.1	
Magnesium	<0.1	
Manganese	<0.05	
Molybdenum	<0.1	
Nickel	<0.1	
Silicon	75.	
Silver	<0.1	
Strontium	0.5	
Tin	<0.1	
Vanadium	<0.1	
Zinc	<0.1	
Arsenic		0.011
Selenium		<0.005
Mercury		

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

FN

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 2 10 86	LAB NO. WC 560	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 1 28 86	SITE INFORM-ATION ►	Sample location: DISCHARGE FROM GREENHOUSE	
Collection TIME 0915		Collection site description:	
Collected by — Person/Agency: BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code:

Owner:

SAMPLING CONDITIONS

☐ Bailed ☒ Dipped ☐ Pump ☐ Tap	Water level	Discharge	Sample type
pH (00400): 8.1	Conductivity (Uncorrected): 2220 µmho	Water Temp. (00010): 47 °C	Conductivity at 25°C (00094): µmho

Field comments: WATER IS CIRCULATED THROUGH FIN PIPES TO HEAT GREENHOUSES

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☒ NF: Whole sample (Non-filtered) ☒ F: Filtered in field with 0.45 µmembrane filter ☐ A: 2 ml H_2SO_4/L added

☒ NA: No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

NF, NA		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☐ Other:			
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☒ Calcium (00915)	320	mg/l	2-10
☒ Magnesium (00925)	4.88	mg/l	"
☒ Sodium (00930)	303.6	mg/l	"
☒ Potassium (00935)	19.1	mg/l	"
☒ Bicarbonate (00440)	97.1	mg/l	2/18
☒ Chloride (00940)	92.4	mg/l	2/20
☒ Sulfate (00945)	537	mg/l	2/18
☒ Total filterable residue (dissolved) (70300)	1115	mg/l	3/13
☒ Other: CO_3	00		
X F	11.7		2/27

NF, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	3 24 86	

Laboratory remarks:

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

PF HEAVY METALS

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 2 | 10 | 86	LAB NO. HM-277	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 1 | 28 | 86	SITE INFORMATION ►	Sample location: DISCHARGE FROM GREENHOUSE	
Collection TIME 0915		Collection site description	
Collected by — Person/Agency: BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☒ Dipped ☐ Pump ☐ Tap	Water level	Discharge	Sample type
pH (00400): 8.1	Conductivity (Uncorrected): 2220 µmho	Water Temp. (00010): 47 °C	Conductivity at 25°C (00094): µmho

Field comments: WATER IS CIRCULATED THROUGH FIN PIPES TO HEAT GREENHOUSES

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☐ NF: Whole sample (Non-filtered) ☒ F: Filtered in field with 0.45 µmembrane filter ☒ A: ~~2 ml H_2SO_4~~/L added HNO_3

☐ NA: No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

~~NF, NA~~ F, A HNO_3		Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☒ Other: ICAP SCAN			
☒ Other: Se			2/19/86
☐ Other: As			2/19/86

F, NA		Units	Date analyzed
☐ Calcium (00915)		mg/l	
☐ Magnesium (00925)		mg/l	
☐ Sodium (00930)		mg/l	
☐ Potassium (00935)		mg/l	
☐ Bicarbonate (00440)		mg/l	
☐ Chloride (00940)		mg/l	
☐ Sulfate (00945)		mg/l	
☐ Total filterable residue (dissolved) (70300)		mg/l	
☐ Other:			

NF, A-H_2SO_4

☐ Nitrate-N + , Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4

☐ Nitrate-N + , Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	4 | 18 | 86	JPA

Laboratory remarks:

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

Lab Number: M 277

Sample Code: Discharge from Greenhouse

Date Submitted: 2/10/86

Date Analyzed: 2/17/86

By: Bailey -

Reviewed By: Jim Ashley

Date Reported: 4/18/86

Element	ICAP VALUE(MG/L)	AA VALUE(MG/L)
Aluminum	<0.1	
Barium	<0.1	
Berylium	<0.1	
Boron	0.5	
Cadmium	<0.1	
Calcium	21.	
Chromium	<0.1	
Cobalt	<0.1	
Copper	<0.1	
Iron	0.2	
Lead	<0.1	
Magnesium	0.1	
Manganese	0.05	
Molybdenum	<0.1	
Nickel	<0.1	
Silicon	76.	
Silver	<0.1	
Strontium	0.4	
Tin	<0.1	
Vanadium	<0.1	
Zinc	<0.1	
Arsenic		0.012
Selenium		<0.005
Mercury		

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) [redacted]555

EN

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 2 | 10 | 86	LAB NO. WC 563	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 1 | 28 | 86	SITE INFORM-ATION ►	Sample location: BURGETT FRESH WATER WELL	
Collection TIME 1015		Collection site description: ~1½ mi WSW of GREENHOUSES	
Collected by — Person/Agency: BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☒ Pump ☐ Tap	Water level	Discharge 65-70 gpm	Sample type
pH (00400)	Conductivity (Uncorrected) µmho	Water Temp. (00010) °C	Conductivity at 25°C (00094) µmho

Field comments: T.D. 175' NOT ENOUGH SAMPLE FOR FIELD TESTS.

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☒ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane filter ☐ **A:** 2 ml H_2SO_4/L added

☒ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

NF, NA		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☐ Other:			
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☒ Calcium (00915)	28.7	mg/l	2-10
☒ Magnesium (00925)	6.23	mg/l	"
☒ Sodium (00930)	14.4	mg/l	"
☒ Potassium (00935)	1.75	mg/l	"
☒ Bicarbonate (00440)	144.7	mg/l	2/18
☒ Chloride (00940)	18.6	mg/l	2/20
☒ Sulfate (00945)	80.5	mg/l	2/18
☒ Total filterable residue (dissolved) (70300)	310	mg/l	3/13
☒ Other: CO_3	3.45		2/18
X F	0.98		2/27

NF, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	3 | 24 | 86	

Laboratory remarks:

SLD 726 (12/84) DISTRIBUTION: WHITE — EID, GW&HW Bureau CANARY — WS System PINK — EID Local Office GOLDENROD — SLD

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SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 8[redacted]555

PF

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

HEAVY METALS

DATE RECEIVED: 2 | 10 | 86	LAB NO. HM.282	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE: 1 | 28 | 86	SITE INFORM-ATION ►	Sample location: BURGETT FRESH WATER WELL	
Collection TIME: 1015		Collection site description: ~1½ mi WSW of GREENHOUSES	
Collected by — Person/Agency: BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☒ Pump ☐ Tap	Water level	Discharge 65-70 gpm	Sample type
pH (00400)	Conductivity (Uncorrected) μmho	Water Temp. (00010) °C	Conductivity at 25°C (00094) μmho

Field comments: T.D. 175' NOT ENOUGH SAMPLE FOR FIELD TESTS.

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☐ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 μmembrane filter ☒ **A:** ~~2 ml H_2SO_4~~/L added HNO_3

☐ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

~~NF, NA~~ F, A HNO_3		Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)		μmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☒ Other: ICAP SCAN			
☒ Other: Se			
☐ Other: Ag			

F, NA		Units	Date analyzed
☐ Calcium (00915)		mg/l	
☐ Magnesium (00925)		mg/l	
☐ Sodium (00930)		mg/l	
☐ Potassium (00935)		mg/l	
☐ Bicarbonate (00440)		mg/l	
☐ Chloride (00940)		mg/l	
☐ Sulfate (00945)		mg/l	
☐ Total filterable residue (dissolved) (70300)		mg/l	
☐ Other:			

NF, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	4 | 18 | 86	CAA

Laboratory remarks: Sample Digested

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

Lab Number: HM 282 Sample Code: Burgett Fresh Water We

Date Submitted: 2/10/86 Date Analyzed: 2/17/86

By: Bailey Reviewed By: Jim Ashby

Date Reported: 4/18/86

Element	ICAP VALUE(MG/L)	AA VALUE(MG/L)
Aluminum	<0.1	
Barium	<0.1	
Berylium	<0.1	
Boron	<0.1	
Cadmium	<0.1	
Calcium	33.	
Chromium	<0.1	
Cobalt	<0.1	
Copper	<0.1	
Iron	<0.1	
Lead	<0.1	
Magnesium	2.9	
Manganese	<0.05	
Molybdenum	<0.1	
Nickel	<0.1	
Silicon	16.	
Silver	<0.1	
Strontium	0.2	
Tin	<0.1	
Vanadium	<0.1	
Zinc	<0.1	
Arsenic		<0.005
Selenium		<0.005
Mercury		

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) [redacted]2555

FN

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED: 2 | 10 | 86 — LAB NO. WC 565
USER CODE: ☐ 59300 ☐ 59600 ☒ OTHER: 82235
Collection DATE: 1 | 28 | 86
Collection TIME: 1040
SITE INFORMATION ►
Sample location: BURGETT IRRIGATION WELL
Collection site description: ~2mi SW of GREENHOUSES
Collected by — Person/Agency: BAILEY/JOHNSON - OCD

SEND FINAL REPORT TO ►
ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501
Attn: David Boyer

Station/ well code:
Owner:

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☒ Pump ☐ Tap	Water level	Discharge: 1400 gpm	Sample type
pH (00400): 7.0	Conductivity (Uncorrected): 600 µmho	Water Temp. (00010): 19 °C	Conductivity at 25°C (00094): µmho

Field comments: T.D. 250'

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1
☒ NF: Whole sample (Non-filtered) ☒ F: Filtered in field with 0.45 µmembrane filter ☐ A: 2 ml H_2SO_4/L added
☒ NA: No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

NF, NA		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☐ Other:			
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☒ Calcium (00915)	64.0	mg/l	2-20
☒ Magnesium (00925)	12.5	mg/l	"
☒ Sodium (00930)	82.8	mg/l	"
☒ Potassium (00935)	6.56	mg/l	"
☒ Bicarbonate (00440)	144	mg/l	2/18
☒ Chloride (00940)	53.6	mg/l	2/20
☒ Sulfate (00945)	153	mg/l	2/18
☒ Total filterable residue (dissolved) (70300)	480	mg/l	3/13, 2/18
☒ Other: CO_3	0.0		2/18
☒ F	0.99		2/17

NF, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst | Date Reported: 3 | 24 | 86 | Reviewed by

Laboratory remarks

SLD 726 (12/84) *DISTRIBUTION:* WHITE — EID, GW&HW Bureau CANARY — WS System PINK — EID Local Office GOLDENROD — SLD

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
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PF

HEAVY METALS

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 2 10 26	LAB NO. HM 230	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 1 28 86	SITE INFORMATION ►	Sample location: BURGETT IRRIGATION WELL	
Collection TIME 1040		Collection site description: ~2mi SW of GREENHOUSES	
Collected by — Person/Agency: BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☒ Pump ☐ Tap	Water level	Discharge: 1400 gpm	Sample type
pH (00400): 7.0	Conductivity (Uncorrected): 600 µmho	Water Temp. (00010): 19 °C	Conductivity at 25°C (00094): µmho

Field comments: T.D. 250'

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☐ NF: Whole sample (Non-filtered) ☒ F: Filtered in field with 0.45 µmembrane filter ☒ A: ~~2 ml H_2SO_4~~/L added HNO_3

☐ NA: No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

~~NF, NA~~ F, A HNO_3		Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☒ Other: ICAP SCAN			
☒ Other: Se			4/7/86
☐ Other: As			4/7/86

F, NA		Units	Date analyzed
☐ Calcium (00915)		mg/l	
☐ Magnesium (00925)		mg/l	
☐ Sodium (00930)		mg/l	
☐ Potassium (00935)		mg/l	
☐ Bicarbonate (00440)		mg/l	
☐ Chloride (00940)		mg/l	
☐ Sulfate (00945)		mg/l	
☐ Total filterable residue (dissolved) (70300)		mg/l	
☐ Other:			

NF, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	4 18 86	JTA

Laboratory remarks

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

Lab Number: [redacted]1280 Sample [redacted]de: Burgett Irrigation Well

Date Submitted: 2/10/86 Date Analyzed: 2/17/86

By: Bailey Reviewed By: Jim Ashley

Date Reported: 4/18/86

Element	ICAP VALUE(MG/L)	AA VALUE(MG/L)
Aluminum	<0.1	
Barium	<0.1	
Berylium	<0.1	
Boron	<0.1	
Cadmium	<0.1	
Calcium	72.	
Chromium	<0.1	
Cobalt	<0.1	
Copper	<0.1	
Iron	<0.1	
Lead	<0.1	
Magnesium	6.5	
Manganese	<0.05	
Molybdenum	<0.1	
Nickel	<0.1	
Silicon	15.	
Silver	<0.1	
Strontium	0.4	
Tin	<0.1	
Vanadium	<0.1	
Zinc	<0.1	
Arsenic		<0.005
Selenium		<0.005
Mercury		

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 8[redacted]2555

FN

GENERAL WATER CHEMISTRY and [redacted]TROGEN ANALYSIS

DATE RECEIVED 2/10/86 LAB NO. WC 564

USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235

Collection DATE 1/28/86

Collection TIME 1030

SITE INFORMATION ►

Sample location: VALLEY VIEW COMMUNITY CHURCH

Collection site description: ~2mi WEST OF BURGETT FACILITIES

Collected by — Person/Agency: BAILEY/JOHNSON - OCD

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☐ Pump ☑ Tap	Water level	Discharge	Sample type
pH (00400) 7.4	Conductivity (Uncorrected) 241 µmho	Water Temp. (00010) 11 °C	Conductivity at 25°C (00094) µmho

Field comments

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted 1

☒ NF: Whole sample (Non-filtered) ☒ F: Filtered in field with 0.45 µmembrane filter ☐ A: 2 ml H_2SO_4/L added

☒ NA: No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

NF, NA		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☐ Other:			
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☑ Calcium (00915)	52.1	mg/l	2-10
☑ Magnesium (00925)	6.44	mg/l	"
☑ Sodium (00930)	55.2	mg/l	"
☑ Potassium (00935)	4.17	mg/l	"
☑ Bicarbonate (00440)	153.7	mg/l	2/18
☑ Chloride (00940)	8.6	mg/l	2/20
☑ Sulfate (00945)	51.9	mg/l	2/18
☑ Total filterable residue (dissolved) (70300)	258	mg/l	3/13
☑ Other: CO_3	0.0		2/18
X F	1.17		2/27

NF, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst | Date Reported 3/24/86 | Reviewed by

Laboratory remarks

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

PF HEAVY METALS

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 2 | 10 | 86	LAB NO. HM 281	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 1 | 28 | 86	SITE INFORMATION ►	Sample location VALLEY VIEW COMMUNITY CHURCH	
Collection TIME 1030		Collection site description ~2mi WEST of BURGETT FACILITIES	
Collected by — Person/Agency BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☐ Pump ☒ Tap	Water level	Discharge	Sample type
pH (00400) 7.4	Conductivity (Uncorrected) 241 µmho	Water Temp. (00010) 11 °C	Conductivity at 25°C (00094) µmho

Field comments

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted 1

☐ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane filter ☒ **A:** ~~2 ml H_2SO_4~~/L added HNO_3

☐ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

~~NF, NA~~ F, A HNO_3	Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)	µmho	
☐ Total non-filterable residue (suspended) (00530)	mg/l	
☒ Other: ICAP SCAN		
☒ Other: Se	2	2/4/86
☐ Other: As	4	4/2/86

F, NA	Units	Date analyzed
☐ Calcium (00915)	mg/l	
☐ Magnesium (00925)	mg/l	
☐ Sodium (00930)	mg/l	
☐ Potassium (00935)	mg/l	
☐ Bicarbonate (00440)	mg/l	
☐ Chloride (00940)	mg/l	
☐ Sulfate (00945)	mg/l	
☐ Total filterable residue (dissolved) (70300)	mg/l	
☐ Other:		

NF, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N total (00630)	mg/l	
☐ Ammonia-N total (00610)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l	
☐ Chemical oxygen demand (00340)	mg/l	
☐ Total organic carbon ( )	mg/l	
☐ Other:		
☐ Other:		

F, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N dissolved (00631)	mg/l	
☐ Ammonia-N dissolved (00608)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l	
☐ Other:		

Analyst	Date Reported	Reviewed by
	4 | 18 | 86	

Laboratory remarks

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

Lab Number: M 281

Sample Code: Valley View Comm. Church

Date Submitted: 2/10/86

Date Analyzed: 2/17/86

By: Bailey

Reviewed By: Jim Ashley

Date Reported: 4/18/86

Element	ICAP VALUE(MG/L)	AA VALUE(MG/L)
Aluminum	<0.1	
Barium	<0.1	
Berylium	<0.1	
Boron	<0.1	
Cadmium	<0.1	
Calcium	26.	
Chromium	<0.1	
Cobalt	<0.1	
Copper	<0.1	
Iron	<0.1	
Lead	<0.1	
Magnesium	2.3	
Manganese	<0.05	
Molybdenum	<0.1	
Nickel	<0.1	
Silicon	16.	
Silver	<0.1	
Strontium	0.2	
Tin	<0.1	
Vanadium	<0.1	
Zinc	0.4	
Arsenic		<0.005
Selenium		<0.005
Mercury		

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 84[redacted]555

FN

GENERAL WATER CHEMISTRY and [redacted]TROGEN ANALYSIS

DATE RECEIVED 2 / 10 / 86	LAB NO. WC 561	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 1 / 28 / 86	SITE INFORM-ATION ►	Sample location: BEALL WELL	
Collection TIME 1000		Collection site description: ~3/4 MILE WEST OF BURGETT FACILITIES	
Collected by — Person/Agency: BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☒ Pump ☐ Tap	Water level	Discharge	Sample type
pH (00400): 6.7	Conductivity (Uncorrected): 490 µmho	Water Temp. (00010): 17.5 °C	Conductivity at 25°C (00094): µmho

Field comments: T.D. 125'

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☒ NF: Whole sample (Non-filtered) ☒ F: Filtered in field with 0.45 µmembrane filter ☐ A: 2 ml H_2SO_4/L added

☒ NA: No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

NF, NA		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☐ Other:			
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☒ Calcium (00915)	59.2	mg/l	2-10
☒ Magnesium (00925)	11.7	mg/l	"
☒ Sodium (00930)	82.8	mg/l	"
☒ Potassium (00935)	2.73	mg/l	"
☒ Bicarbonate (00440)	174.2	mg/l	2/18
☒ Chloride (00940)	31.6	mg/l	2/20
☒ Sulfate (00945)	141	mg/l	2/18
☒ Total filterable residue (dissolved) (70300)	443	mg/l	3/13
☒ Other: CO3	0		2/13
X F	2.00		2/27

NF, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	3 / 24 / 86	

Laboratory remarks

SLD 726 (12/84) DISTRIBUTION: WHITE — EID, GW&HW Bureau CANARY — WS System PINK — EID Local Office GOLDENROD — SLD

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

SF.

HEAVY METALS
GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED: 2 | 10 | 86	LAB NO. HM-278	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE: 1 | 28 | 86	SITE INFORMATION ►	Sample location: REALL WELL	
Collection TIME: 1000		Collection site description: N 3/4 MILE WEST OF BURGETT FACILITIES	
Collected by — Person/Agency: RAILEY / JOHNSON - OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code:

Owner:

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☒ Pump ☐ Tap	Water level	Discharge	Sample type
pH (00400): 6.7	Conductivity (Uncorrected): 490 µmho	Water Temp. (00010): 17.5 °C	Conductivity at 25°C (00094): µmho

Field comments: T.D. 125'

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☐ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane filter ☒ **A:** ~~2 ml H_2SO_4~~/L added HNO_3

☐ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

~~NF, NA~~ F, A HNO_3		Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☒ Other: ICAP SCAN			
☒ Other: Se			
☐ Other: As			

F, NA		Units	Date analyzed
☐ Calcium (00915)		mg/l	
☐ Magnesium (00925)		mg/l	
☐ Sodium (00930)		mg/l	
☐ Potassium (00935)		mg/l	
☐ Bicarbonate (00440)		mg/l	
☐ Chloride (00940)		mg/l	
☐ Sulfate (00945)		mg/l	
☐ Total filterable residue (dissolved) (70300)		mg/l	
☐ Other:			

NF, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	4 | 18 | 86	JFA

Laboratory remarks:

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

Lab Number: [redacted] 278

Sample [redacted]de: Beall Well

Date Submitted: 2/10/86

Date Analyzed: 2/17/86

By: Bailey

Reviewed By: Jim Ashley

Date Reported: 4/18/86

Element	ICAP VALUE(MG/L)	AA VALUE(MG/L)
Aluminum	<0.1	
Barium	<0.1	
Berylium	<0.1	
Boron	<0.1	
Cadmium	<0.1	
Calcium	59.	
Chromium	<0.1	
Cobalt	<0.1	
Copper	<0.1	
Iron	<0.1	
Lead	<0.1	
Magnesium	5.5	
Manganese	<0.05	
Molybdenum	<0.1	
Nickel	<0.1	
Silicon	16.	
Silver	<0.1	
Strontium	0.5	
Tin	<0.1	
Vanadium	<0.1	
Zinc	0.8	
Arsenic		<0.005
Selenium		<0.005
Mercury		

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

EN

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED: 2/10/86 | LAB NO. WC 562 | USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235

Collection DATE: 1/28/86
Collection TIME: 0900
Collected by — Person/Agency: BAILEY/JOHNSON - OCD

SITE INFORMATION ►

Sample location: BURGETT GEOTHERMAL WELL
Collection site description: T T25S R19W BYPASS VALVE AT WELLHEAD

SEND FINAL REPORT TO ►
ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501
Attn: David Boyer

Station/well code:
Owner: DALE BURGETT

SAMPLING CONDITIONS

☐ Bailed ☒ Pump ☐ Dipped ☐ Tap	Water level STATIC W.L. 65' DEPTH TO WATER 90'	Discharge 300 gpm	Sample type
pH (00400) 8.1	Conductivity (Uncorrected) 2900 µmho	Water Temp. (00010) 48 °C	Conductivity at 25°C (00094) µmho

Field comments: PUMPED FOR 10HRS/DAY TO HEAT GREENHOUSES. REPORTED TO BE 240° F AT WELLHEAD. T.D. 250'

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☐ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane filter ☐ **A:** 2 ml H_2SO_4/L added

☒ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

NF, NA		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☐ Other:			
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☒ Calcium (00915)	17.6	mg/l	2/10
☒ Magnesium (00925)	6.34	mg/l	"
☒ Sodium (00930)	332.3	mg/l	"
☒ Potassium (00935)	19.9	mg/l	"
☒ Bicarbonate (00440)	101.7	mg/l	2/18
☒ Chloride (00940)	94.3	mg/l	2/20
☒ Sulfate (00945)	585	mg/l	2/18
☒ Total filterable residue (dissolved) (70300)	1195	mg/l	3/13
☒ Other: CO_3	0.0		2/18
X F	12.5		2/27

NF, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst | Date Reported: 3/24/86 | Reviewed by

Laboratory remarks

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

PE

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 2/10/86	LAB NO. HM279	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 1/28/86	SITE INFORMATION ►	Sample location BURGETT GEOTHERMAL WELL	
Collection TIME 0900		Collection site description 7 T25S R19W BYPASS VALVE AT WELLHEAD	
Collected by — Person/Agency BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►
ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501
Attn: David Boyer

RECEIVED APR 28 1986 OIL CONSERVATION DIVISION SANTA FE

Station/ well code
Owner DALE BURGETT

SAMPLING CONDITIONS

☐ Bailed ☒ Pump ☐ Dipped ☐ Tap	Water level STATIC W.L. 65' DEPTH TO WATER 90'	Discharge 300 gpm	Sample type
pH (00400) 8.1	Conductivity (Uncorrected) 2900 µmho	Water Temp. (00010) 48 °C	Conductivity at 25°C (00094) µmho

Field comments PUMPED FOR 10HRS/DAY TO HEAT GREENHOUSES. REPORTED TO BE 240° F AT WELLHEAD. T.D. 250'

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted 1 | ☐ NF: Whole sample (Non-filtered) | ☒ F: Filtered in field with 0.45 µmembrane filter | ☒ A: ~~2 ml H_2SO_4~~/L added HNO_3

☐ NA: No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

~~NF, NA~~ F, A HNO_3		Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☒ Other: ICAP SCAN			
☒ Other: Se	<0.005		3/14/86
☐ Other: Ag	0.011		4/7/86

F, NA		Units	Date analyzed
☐ Calcium (00915)		mg/l	
☐ Magnesium (00925)		mg/l	
☐ Sodium (00930)		mg/l	
☐ Potassium (00935)		mg/l	
☐ Bicarbonate (00440)		mg/l	
☐ Chloride (00940)		mg/l	
☐ Sulfate (00945)		mg/l	
☐ Total filterable residue (dissolved) (70300)		mg/l	
☐ Other:			

NF, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	4/18/86	Jim Ashley

Laboratory remarks

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

Lab Number: M 279 Sample Code: Burgett Geothermal Well

Date Submitted: 2/10/86 Date Analyzed: 2/17/86

By: Bailey Reviewed By: Jim Bobby

Date Reported: 4/18/86

Element	ICAP VALUE(MG/L)	AA VALUE(MG/L)
Aluminum	<0.1	
Barium	<0.1	
Berylium	<0.1	
Boron	0.5	
Cadmium	<0.1	
Calcium	21.	
Chromium	<0.1	
Cobalt	<0.1	
Copper	<0.1	
Iron	<0.1	
Lead	<0.1	
Magnesium	<0.1	
Manganese	<0.05	
Molybdenum	<0.1	
Nickel	<0.1	
Silicon	75.	
Silver	<0.1	
Strontium	0.5	
Tin	<0.1	
Vanadium	<0.1	
Zinc	<0.1	
Arsenic		0.011
Selenium		<0.005
Mercury		

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

FN

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 2/10/86	LAB NO. WC 560	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 1/28/86	SITE INFORMATION ►	Sample location: DISCHARGE FROM GREENHOUSE	
Collection TIME 0915		Collection site description:	
Collected by — Person/Agency: BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►
ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501
Attn: David Boyer

Station/ well code:
Owner:

SAMPLING CONDITIONS

☐ Bailed ☒ Dipped ☐ Pump ☐ Tap	Water level	Discharge	Sample type
pH (00400) 8.1	Conductivity (Uncorrected) 2220 µmho	Water Temp. (00010) 47 °C	Conductivity at 25°C (00094) µmho

Field comments: WATER IS CIRCULATED THROUGH FIN PIPES TO HEAT GREENHOUSES

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☒ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane filter ☐ **A:** 2 ml H_2SO_4/L added

☒ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

NF, NA		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☐ Other:			
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☒ Calcium (00915)	32.0	mg/l	2-10
☒ Magnesium (00925)	4.88	mg/l	"
☒ Sodium (00930)	303.6	mg/l	"
☒ Potassium (00935)	19.1	mg/l	"
☒ Bicarbonate (00440)	97.1	mg/l	2/18
☒ Chloride (00940)	92.4	mg/l	2/20
☒ Sulfate (00945)	537	mg/l	2/18
☒ Total filterable residue (dissolved) (70300)	1115	mg/l	3/13
☒ Other: CO_3	00		
☒ F	11.7		2/27

NF, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	3/24/86	

Laboratory remarks:

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

PF

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 2/10/86	LAB NO. HM277	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 1/28/86	SITE INFORMATION ►	Sample location: DISCHARGE FROM GREENHOUSE	
Collection TIME 0915		Collection site description:	
Collected by — Person/Agency: BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►
ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501
Attn: David Boyer

RECEIVED APR 8 1986 OIL CONSERVATION DIVISION SANTA FE

Station/well code
Owner

SAMPLING CONDITIONS

☐ Bailed ☒ Dipped ☐ Pump ☐ Tap	Water level	Discharge	Sample type
pH (00400) 8.1	Conductivity (Uncorrected) 2220 µmho	Water Temp. (00010) 47 °C	Conductivity at 25°C (00094) µmho

Field comments: WATER IS CIRCULATED THROUGH FIN PIPES TO HEAT GREENHOUSES

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☐ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane filter ☒ **A:** ~~2 ml H_2SO_4~~/L added HNO_3

☐ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

~~NF, NA~~ F, A HNO_3

		Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☒ Other: ICAP SCAN			
☒ Other: Se	<0.005		3/14/86
☐ Other: As	0.012		4/7/86

NF, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, NA

		Units	Date analyzed
☐ Calcium (00915)		mg/l	
☐ Magnesium (00925)		mg/l	
☐ Sodium (00930)		mg/l	
☐ Potassium (00935)		mg/l	
☐ Bicarbonate (00440)		mg/l	
☐ Chloride (00940)		mg/l	
☐ Sulfate (00945)		mg/l	
☐ Total filterable residue (dissolved) (70300)		mg/l	
☐ Other:			

F, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	4/18/86	JBA

Laboratory remarks:

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

Lab Number: M 277

Sample Code: Discharge from Greenhouse

Date Submitted: 2/10/86

Date Analyzed: 2/17/86

By: Bailey -

Reviewed By: Jim Ashley

Date Reported: 4/18/86

Element	ICAP VALUE(MG/L)	AA VALUE(MG/L)
Aluminum	<0.1	
Barium	<0.1	
Berylium	<0.1	
Boron	0.5	
Cadmium	<0.1	
Calcium	21.	
Chromium	<0.1	
Cobalt	<0.1	
Copper	<0.1	
Iron	0.2	
Lead	<0.1	
Magnesium	0.1	
Manganese	0.05	
Molybdenum	<0.1	
Nickel	<0.1	
Silicon	76.	
Silver	<0.1	
Strontium	0.4	
Tin	<0.1	
Vanadium	<0.1	
Zinc	<0.1	
Arsenic		0.012
Selenium		<0.005
Mercury		

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

FN

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 2 / 10 / 86	LAB NO. WC 561	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 1 / 28 / 86	SITE INFORM-ATION ►	Sample location BEALL WELL	
Collection TIME 1000		Collection site description N. 3/4 TO MILE WEST OF BURGETT FACILITIES	
Collected by — Person/Agency BAILEY / JOHNSON - OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☒ Pump ☐ Dipped ☐ Tap	Water level	Discharge	Sample type
pH (00400) 6.7	Conductivity (Uncorrected) 490 µmho	Water Temp. (00010) 17.5 °C	Conductivity at 25°C (00094) µmho

Field comments T.D. 125'

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted 1

☒ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane filter ☐ **A:** 2 ml H_2SO_4/L added

☒ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

NF, NA		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☐ Other:			
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☒ Calcium (00915)	59.2	mg/l	2-10
☒ Magnesium (00925)	11.7	mg/l	"
☒ Sodium (00930)	82.8	mg/l	"
☒ Potassium (00935)	2.73	mg/l	"
☒ Bicarbonate (00440)	174.2	mg/l	2/18
☒ Chloride (00940)	31.6	mg/l	2/20
☒ Sulfate (00945)	141	mg/l	2/18
☒ Total filterable residue (dissolved) (70300)	443	mg/l	3/13
☒ Other: ~~CO3~~	0		2/14
☒ F	2.00		2/17

NF, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst | Date Reported 3 / 24 / 86 | Reviewed by

Laboratory remarks

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

PF.

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 2 | 10 | 86	LAB NO. HM278	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 1 | 28 | 86	SITE INFORMATION ►	Sample location BEALL WELL	
Collection TIME 1000		Collection site description N 3/4 MILE WEST OF BURGETT FACILITIES	
Collected by — Person/Agency RAILEY / JOHNSON - OCD			

SEND FINAL REPORT TO ►
ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501
Attn: David Boyer

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APR 28 1986
OIL CONSERVATION DIVISION
SANTA FE

Station/well code
Owner

SAMPLING CONDITIONS

☐ Bailed ☒ Pump ☐ Dipped ☐ Tap	Water level	Discharge	Sample type
pH (00400) 6.7	Conductivity (Uncorrected) 490 µmho	Water Temp. (00010) 17.5 °C	Conductivity at 25°C (00094) µmho

Field comments T.D. 125'

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted 1 | ☐ NF: Whole sample (Non-filtered) | ☒ F: Filtered in field with 0.45 µmembrane filter | ☒ A: ~~2 ml H_2SO_4~~/L added HNO_3

☐ NA: No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

~~NF, NA~~ F, A HNO_3		Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☒ Other: ICAP SCAN			
☒ Other: Se	<0.005		3/14/86
☐ Other: As	<0.005		4/7/86

F, NA		Units	Date analyzed
☐ Calcium (00915)		mg/l	
☐ Magnesium (00925)		mg/l	
☐ Sodium (00930)		mg/l	
☐ Potassium (00935)		mg/l	
☐ Bicarbonate (00440)		mg/l	
☐ Chloride (00940)		mg/l	
☐ Sulfate (00945)		mg/l	
☐ Total filterable residue (dissolved) (70300)		mg/l	
☐ Other:			

NF, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	4 | 18 | 86	JAA

Laboratory remarks

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

Lab Number: H 278

Sample Code: Beall Well

Date Submitted: 2/10/86

Date Analyzed: 2/17/86

By: Bailey

Reviewed By: Jim Ashley

Date Reported: 4/18/86

Element	ICAP VALUE(MG/L)	AA VALUE(MG/L)
Aluminum	<0.1	
Barium	<0.1	
Berylium	<0.1	
Boron	<0.1	
Cadmium	<0.1	
Calcium	59.	
Chromium	<0.1	
Cobalt	<0.1	
Copper	<0.1	
Iron	<0.1	
Lead	<0.1	
Magnesium	5.5	
Manganese	<0.05	
Molybdenum	<0.1	
Nickel	<0.1	
Silicon	16.	
Silver	<0.1	
Strontium	0.5	
Tin	<0.1	
Vanadium	<0.1	
Zinc	0.8	
Arsenic		<0.005
Selenium		<0.005
Mercury		

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) [redacted]-2555

EN

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 2 | 10 | 86	LAB NO. WC 563	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 1 | 28 | 86	SITE INFORM-ATION ►	Sample location: BURGETT FRESH WATER WELL	
Collection TIME 1015		Collection site description: ~1½ mi WSW of GREENHOUSES	
Collected by — Person/Agency: BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☒ Pump ☐ Tap	Water level	Discharge 65-70 gpm	Sample type
pH (00400)	Conductivity (Uncorrected) μmho	Water Temp. (00010) °C	Conductivity at 25°C (00094) μmho

Field comments: T.D. 175' NOT ENOUGH SAMPLE FOR FIELD TESTS.

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☒ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 μ membrane filter ☐ **A:** 2 ml H_2SO_4/L added

☒ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

NF, NA		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)		μmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☐ Other:			
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☒ Calcium (00915)	28.8	mg/l	2-10
☒ Magnesium (00925)	6.83	mg/l	"
☒ Sodium (00930)	64.4	mg/l	"
☒ Potassium (00935)	1.95	mg/l	"
☒ Bicarbonate (00440)	144.7	mg/l	2/18
☒ Chloride (00940)	18.6	mg/l	2/20
☒ Sulfate (00945)	80.5	mg/l	2/18
☒ Total filterable residue (dissolved) (70300)	310	mg/l	3/13
☒ Other: CO_3	3.45		2/18
☒ F	0.98		2/27

NF, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	3 | 24 | 86	

Laboratory remarks:

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

PF

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 2 | 10 | 86	LAB NO. HM282	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 1 | 28 | 86	SITE INFORMATION ►	Sample location: BURGETT FRESH WATER WELL	
Collection TIME 1015		Collection site description: ~1½ mi WSW of GREENHOUSES	
Collected by — Person/Agency: BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☒ Pump ☐ Tap	Water level	Discharge 65-70 gpm	Sample type
pH (00400)	Conductivity (Uncorrected) µmho	Water Temp. (00010) °C	Conductivity at 25°C (00094) µmho

Field comments: T.D. 175' NOT ENOUGH SAMPLE FOR FIELD TESTS.

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☐ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane filter ☒ **A:** ~~2 ml H_2SO_4~~/L added HNO_3

☐ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

~~NF, NA~~ F, A HNO_3		Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☒ Other: ICAP SCAN			
☒ Other: Se	<0.005		3/19/86
☐ Other: Mo	<0.005		4/7/86

F, NA		Units	Date analyzed
☐ Calcium (00915)		mg/l	
☐ Magnesium (00925)		mg/l	
☐ Sodium (00930)		mg/l	
☐ Potassium (00935)		mg/l	
☐ Bicarbonate (00440)		mg/l	
☐ Chloride (00940)		mg/l	
☐ Sulfate (00945)		mg/l	
☐ Total filterable residue (dissolved) (70300)		mg/l	
☐ Other:			

NF, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	4 | 18 | 86	CAA

Laboratory remarks: Sample Digested

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

Lab Number: M 282 Sample Code: Burgett Fresh Water Well

Date Submitted: 2/10/86 Date Analyzed: 2/17/86

By: Bailey Reviewed By: Jim Ashley

Date Reported: 4/18/86

Element	ICAP VALUE (MG/L)	AA VALUE (MG/L)
Aluminum	<0.1	
Barium	<0.1	
Berylium	<0.1	
Boron	<0.1	
Cadmium	<0.1	
Calcium	33.	
Chromium	<0.1	
Cobalt	<0.1	
Copper	<0.1	
Iron	<0.1	
Lead	<0.1	
Magnesium	2.9	
Manganese	<0.05	
Molybdenum	<0.1	
Nickel	<0.1	
Silicon	16.	
Silver	<0.1	
Strontium	0.2	
Tin	<0.1	
Vanadium	<0.1	
Zinc	<0.1	
Arsenic		<0.005
Selenium		<0.005
Mercury		

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

FN

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED: 2/10/86	LAB NO. WC 564	USER CODE: ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE: 1/28/86	SITE INFORMATION ►	Sample location: VALLEY VIEW COMMUNITY CHURCH	
Collection TIME: 1030		Collection site description: ~2 mi WEST of BURGETT FACILITIES	
Collected by — Person/Agency: BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☐ Pump ☑ Tap	Water level	Discharge	Sample type
pH (00400): 7.4	Conductivity (Uncorrected): 241 µmho	Water Temp. (00010): 11 °C	Conductivity at 25°C (00094): µmho

Field comments

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☒ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane filter ☐ **A:** 2 ml H_2SO_4/L added

☒ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

NF, NA		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☐ Other:			
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☑ Calcium (00915)	39.1	mg/l	2-10
☑ Magnesium (00925)	6.44	mg/l	"
☑ Sodium (00930)	55.2	mg/l	"
☑ Potassium (00935)	4.17	mg/l	"
☑ Bicarbonate (00440)	153.7	mg/l	2/18
☑ Chloride (00940)	8.6	mg/l	2/20
☑ Sulfate (00945)	51.9	mg/l	2/18
☑ Total filterable residue (dissolved) (70300)	258	mg/l	3/13
☑ Other: CO_3	0.0		2/18
X F	1.17		2/27

NF, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	3/24/86	

Laboratory remarks

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

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GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED: 2 / 10 / 86	LAB NO. HM 281	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE: 1 / 28 / 86	SITE INFORMATION ►	Sample location: VALLEY VIEW COMMUNITY CHURCH	
Collection TIME: 1030		Collection site description: ~ 2 MI WEST OF BURGETT FACILITIES	
Collected by — Person/Agency: BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☐ Dipped ☐ Pump ☒ Tap	Water level	Discharge	Sample type
pH (00400): 7.4	Conductivity (Uncorrected): 241 µmho	Water Temp. (00010): 11 °C	Conductivity at 25°C (00094): µmho

Field comments

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☐ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane filter ☒ **A:** ~~2 ml H_2SO_4~~/L added HNO_3

☐ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

~~NF, NA~~ F, A HNO_3	Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)	µmho	
☐ Total non-filterable residue (suspended) (00530)	mg/l	
☒ Other: ICAP SCAN		
☒ Other: Se < 0.005		3/19/86
☐ Other: Mo < 0.005		4/7/86

F, NA	Units	Date analyzed
☐ Calcium (00915)	mg/l	
☐ Magnesium (00925)	mg/l	
☐ Sodium (00930)	mg/l	
☐ Potassium (00935)	mg/l	
☐ Bicarbonate (00440)	mg/l	
☐ Chloride (00940)	mg/l	
☐ Sulfate (00945)	mg/l	
☐ Total filterable residue (dissolved) (70300)	mg/l	
☐ Other:		

NF, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N total (00630)	mg/l	
☐ Ammonia-N total (00610)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l	
☐ Chemical oxygen demand (00340)	mg/l	
☐ Total organic carbon ( )	mg/l	
☐ Other:		
☐ Other:		

F, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N dissolved (00631)	mg/l	
☐ Ammonia-N dissolved (00608)	mg/l	
☐ Total Kjeldahl-N ( )	mg/l	
☐ Other:		

Analyst:

Date Reported: 4 / 18 / 86

Reviewed by: JH

Laboratory remarks

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

Lab Number: M 281 Sample Code: Valley View Comm. Church

Date Submitted: 2/10/86 Date Analyzed: 2/17/86

By: Bailey Reviewed By: Jim Ashley

Date Reported: 4/18/86

Element	ICAP VALUE(MG/L)	AA VALUE(MG/L)
Aluminum	<0.1	
Barium	<0.1	
Berylium	<0.1	
Boron	<0.1	
Cadmium	<0.1	
Calcium	26.	
Chromium	<0.1	
Cobalt	<0.1	
Copper	<0.1	
Iron	<0.1	
Lead	<0.1	
Magnesium	2.3	
Manganese	<0.05	
Molybdenum	<0.1	
Nickel	<0.1	
Silicon	16.	
Silver	<0.1	
Strontium	0.2	
Tin	<0.1	
Vanadium	<0.1	
Zinc	0.4	
Arsenic		<0.005
Selenium		<0.005
Mercury		

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

FN

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 2 10 86	LAB NO. WC 565	USER CODE ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE 1 28 86	SITE INFORM-ATION ►	Sample location: BURGETT IRRIGATION WELL	
Collection TIME 1040		Collection site description: ~2 mi SW of GREENHOUSES	
Collected by — Person/Agency: BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

Station/ well code

Owner

SAMPLING CONDITIONS

☐ Bailed ☒ Pump ☐ Dipped ☐ Tap	Water level	Discharge 1400 gpm	Sample type
pH (00400) 7.0	Conductivity (Uncorrected) 600 µmho	Water Temp. (00010) 19 °C	Conductivity at 25°C (00094) µmho

Field comments: T.D. 250'

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☒ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane filter ☐ **A:** 2 ml H_2SO_4/L added

☒ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

NF, NA		Units	Date analyzed
☒ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☐ Other:			
☐ Other:			
☐ Other:			

F, NA		Units	Date analyzed
☒ Calcium (00915)	64.0	mg/l	2-10
☒ Magnesium (00925)	19.5	mg/l	"
☒ Sodium (00930)	82.8	mg/l	"
☒ Potassium (00935)	1.56	mg/l	"
☒ Bicarbonate (00440)	144	mg/l	2/18
☒ Chloride (00940)	53.6	mg/l	2/20
☒ Sulfate (00945)	153	mg/l	2/18
☒ Total filterable residue (dissolved) (70300)	480	mg/l	3/13
☒ Other: CO_3	0.0		2/18
X F	0.99		2/17

NF, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4			
☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	3 24 86	

Laboratory remarks

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

PF

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED: 2/10/86	LAB NO.: HM 280	USER CODE: ☐ 59300 ☐ 59600 ☒ OTHER: 82235	
Collection DATE: 1/28/86	SITE INFORMATION ►	Sample location: BURGETT IRRIGATION WELL	
Collection TIME: 1040		Collection site description: ~2mi SW of GREENHOUSES	
Collected by — Person/Agency: BAILEY/JOHNSON - OCD			

SEND FINAL REPORT TO ►

ENVIRONMENTAL BUREAU
NM OIL CONSERVATION DIVISION
State Land Office Bldg, PO Box 2088
Santa Fe, NM 87501

Attn: David Boyer

RECEIVED APR 2 8 1986 OIL CONSERVATION DIVISION SANTA FE

Station/ well code:

Owner:

SAMPLING CONDITIONS

☐ Bailed ☒ Pump ☐ Dipped ☐ Tap	Water level	Discharge: 1400 gpm	Sample type
pH (00400): 7.0	Conductivity (Uncorrected): 600 µmho	Water Temp. (00010): 19 °C	Conductivity at 25°C (00094): µmho

Field comments: T.D. 250'

SAMPLE FIELD TREATMENT — *Check proper boxes*

No. of samples submitted: 1

☐ **NF:** Whole sample (Non-filtered) ☒ **F:** Filtered in field with 0.45 µmembrane filter ☒ **A:** ~~2 ml H_2SO_4~~/L added HNO_3

☐ **NA:** No acid added ☐ Other-*specify:*

ANALYTICAL RESULTS from SAMPLES

~~NF, NA~~ F, A HNO_3		Units	Date analyzed
☐ Conductivity (Corrected) 25°C (00095)		µmho	
☐ Total non-filterable residue (suspended) (00530)		mg/l	
☒ Other: ICAP SCAN			
☒ Other: Se	<0.005		3/19/86
☐ Other: As	<0.005		4/7/86

F, NA		Units	Date analyzed
☐ Calcium (00915)		mg/l	
☐ Magnesium (00925)		mg/l	
☐ Sodium (00930)		mg/l	
☐ Potassium (00935)		mg/l	
☐ Bicarbonate (00440)		mg/l	
☐ Chloride (00940)		mg/l	
☐ Sulfate (00945)		mg/l	
☐ Total filterable residue (dissolved) (70300)		mg/l	
☐ Other:			

NF, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N total (00630)		mg/l	
☐ Ammonia-N total (00610)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Chemical oxygen demand (00340)		mg/l	
☐ Total organic carbon ( )		mg/l	
☐ Other:			
☐ Other:			

F, A-H_2SO_4

☐ Nitrate-N +, Nitrate-N dissolved (00631)		mg/l	
☐ Ammonia-N dissolved (00608)		mg/l	
☐ Total Kjeldahl-N ( )		mg/l	
☐ Other:			

Analyst	Date Reported	Reviewed by
	4/18/86	JTA

Laboratory remarks:

SLD 726 (12/84) *DISTRIBUTION:* **WHITE** — EID, GW&HW Bureau **CANARY** — WS System **PINK** — EID Local Office **GOLDENROD** — SLD

Lab Number: [redacted] 280 Sample Code: Burgett Irrigation Well

Date Submitted: 2/10/86 Date Analyzed: 2/17/86

By: Bailey Reviewed By: Jim Ashley

Date Reported: 4/18/86

Element	ICAP VALUE(MG/L)	AA VALUE(MG/L)
Aluminum	<0.1	
Barium	<0.1	
Berylium	<0.1	
Boron	<0.1	
Cadmium	<0.1	
Calcium	72.	
Chromium	<0.1	
Cobalt	<0.1	
Copper	<0.1	
Iron	<0.1	
Lead	<0.1	
Magnesium	6.5	
Manganese	<0.05	
Molybdenum	<0.1	
Nickel	<0.1	
Silicon	15.	
Silver	<0.1	
Strontium	0.4	
Tin	<0.1	
Vanadium	<0.1	
Zinc	<0.1	
Arsenic		<0.005
Selenium		<0.005
Mercury		

(well #4)

Revised December 1971

141085 D $25.00

IMPORTANT—READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

CORRECTIVE **Application for Permit to Change Location of Well**

Date Received March 12, 1990 File No. A-36-AB-S-2

1. Name of Water Right Owner Burgett Investment, Inc.
   Street or Post Office Address Star Route, Box 265-A
   City and State Animas, NM Zip Code 88020

2. Source of water supply shallow water aquifer (artesian or shallow water aquifer), located in Animas Valley (name of underground basin).

3. Well from which rights are to be severed:
   (a) Well is in the NE ¼ NW ¼ SE ¼, Section 7 Township 25 S Range 19 W N.M.P.M., or Tract No. _____ of Map No. _____ of the _____
   (b) Is well to be plugged _____; If not, state for what use retained well not drilled

4. Application is made to change location of well for the following reasons (If well is to be used for only a part of original right describe that part by legal description under item number 6):
   Well was drilled in the wrong location. This application is to correct the location.

5. Well to which transfer is to be made:
   (a) Located in the NW ¼ NE ¼ SE ¼, Section 7 Township 25 S Range 19 W N.M.P.M., or Tract No. _____ of Map No. _____ of the _____ on land owned by applicant.
   (b) Quantity of water to be appropriated 530.256 acre feet applied to _____ acres of land; if not for irrigation, specify purpose supplemental geothermal uses, irrigation within greenhouses and related purposes.
   (c) If existing well, give File No. _____
   (d) If a new well, give name of driller Everett D. Burgett.
   (e) Outside diameter of casing 10 3/4" inches; Approximate depth to be drilled 200 feet.

6. Additional statements or explanations _____

I, Dale Burgett, affirm that the foregoing statements are true to the best of my knowledge and belief and that I am the Agent (sole, partial, agent for, etc.) owner and holder of said water right.

Burgett Investment, Inc., Applicant

By Dale Burgett.

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the impairment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of shallow wells be complied with; and ~~subject to the following conditions~~ and is not detrimental to the public welfare or contrary to the conservation of water within the state, subject to the following conditions:

1. The total amount of water diverted from all sources combined shall not exceed 530.256 acre-feet per annum measured at the wells.
2. The total amount of water diverted from all sources combined shall be measured by totalizing water meters of a type approved by and installed in a manner and at locations acceptable to the State Engineer.
3. Records of the amount of water diverted during the preceding calendar month shall be submitted to the State Engineer, District 3 Supervisor, P. O. Box 844, Deming, New Mexico 88031 on or before the 30th day of the following month.

Proof of Completion of Well shall be filed on or before October 31 19~~xx~~92

Witness my hand and seal this 27th day of May, A.D., 19~~xx~~92

Eluid L. Martinez
~~xxxxxxxxx~~ State Engineer

By: R. Q. Rogers File No. A-36-AB-S-2
R. Q. Rogers, Supervisor, District 3

(Well #4)

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Burgett Investment, Inc. Owner's Well No. _____
Street or Post Office Address Box 265-A
City and State Animas, NM 88020

Well was drilled under Permit No. A36-AB-S-2 and is located in the:

a. NW ¼ NE ¼ SE ¼ ____ ¼ of Section 7 Township 25 S Range 19E N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Everett D. Burgett License No. WD 248
Address Box 265-A

Drilling Began ~~Sept~~ 1989 Completed ~~Jan. 25, 1990~~ Sept 1989 Type tools Rotary Size of hole 123/4 in.

Elevation of land surface or _____ at well is 4200 ft. Total depth of well 151 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 65 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
90	100	10 ft.	Gravel	200
150	151	1 ft.	Crevices lost circulation	500 +

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
10 3/4"	54	8	0	90	90	home made	open	hole

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
90	0	123/4	20	22	Pump

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:
_____ State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received March 12, 1990

Quad _____ FWL _____ FSL _____

File No. A-36-AB-S-2 Use CLOW Location No. 25.19.7.421

OK AEB 4/20/90

OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	10	10	Surface Soil
10	90	80	Red Clay
90	91	1	Hard Basalt
91	100	9	Gravel (water)
100	151	51	Broken Basalt
			Lost Circulation

Section 7. REMARKS AND ADDITIONAL INFORMATION

Hot water at 91 ft. Temperature 240 degrees Fht.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate 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 1(a) and Section 5 need be completed.

139459 B $2.00

Revised April, 1974

IMPORTANT - READ INSTRUCTIONS BEFORE FILLING OUT THIS FORM

Well No. 22

CHANGE OF OWNERSHIP OF WATER RIGHT

1. NAME OF WATER RIGHT OWNER OF RECORD United States of America - Farmers Home Administration
Mailing Address P. O. Box 1130
City and State Silver City, New Mexico 88062,
the owner and holder of a water right set forth in file number A-59 and A-60 Combined-A
of record in the office of the State Engineer has conveyed all (all or part) of said right to: RENUMBERED A-59-A

Name Rosette, Incorporated
Mailing Address Star Rt., Box 265A
City and State Animas, New Mexico 88020

2. IRRIGATION: The conveyed water right is appurtenant to lands described as follows (describe only lands with actual water right and diversion as that amount of water measured at the well and/or farm headgate):

	SUBDIVISION (District or Hydrographic Survey)	SECTION	TOWNSHIP (Map No.)	RANGE (Tract No.)	ACREAGE	DIVERSION (Acre Feet Per Annum)	PRIORITY
	SW¼NE¼	13	25 S.	20 W.	39.40		
	Part E½SE¼NE¼	13	25 S.	20 W.	9.80		
West	Part SE¼NE¼	13	25 S.	20 W.	30.21		
West	Part SW¼NW¼ (Lot 2)	18	25 S.	19 W.	20.70		
East	Part SW¼NW¼ (Lot 2)	18	25 S.	19 W.	17.81		
				TOTAL	117.92		

OTHER: Purpose _____ ; Amount _____ (acre feet per annum of diversion); Priority _____.

3. DESIGNATE WELLS TO ACCOMPANY THE CONVEYED RIGHT: (To be executed if conveyance involves only a part of a ground water right):

WELL FILE NO.	SUBDIVISION (District or Hydrographic Survey)	SECTION	TOWNSHIP (Map No.)	RANGE (Tract No.)

4. I HEREBY CONSENT TO A LAWFUL CHANGE IN THE PLACE AND/OR PURPOSE OF USE OF THE ABOVE-DESCRIBED WATER RIGHT: (To be executed if water right described above is a right for irrigation purposes and has been conveyed separate from the land to which it is appurtenant.)

_____

The undersigned, being first duly sworn upon oath, deposes and says that he has read the foregoing statements and that the same are true to the best of his knowledge and belief.

ROSETTE, INCORPORATED

By _____

Subscribed and sworn to before me this 30th day of December, A. D., 19 87

My commission expires: 5-23-88 Dorothy L. Kaylor Notary Public

INSTRUCTIONS

Change of ownership shall be filed in triplicate and executed either by conveyor (seller) or by the new owner and shall be accompanied by a filing fee of $1.00. If executed by the new owner it shall be accompanied by a certified copy of the deed or other instrument of conveyance.

FOR STATE ENGINEER USE ONLY

A _____ (warranty deed, other) from _____ to _____

was found by me to be recorded on the _____ day of _____, A. D., 19 _____ on page _____ of Book No. _____ of record of _____ County.

By: _____ Date: _____

Date Received January 4, 1933 File No. A-59-A

Well #12

Revised August 1967

IMPORTANT—READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

APPLICATION FOR PERMIT

SUPPLEMENTAL *To Appropriate the Underground Waters of the State of New Mexico*

Date Received November 30, 1987 File No. A-36-AB-S-13

1. Name of applicant Burgett Investment, Inc.
   Mailing address Star Route, Route 265-A
   City and State Animas, New Mexico 88020
2. Source of water supply shallow water aquifer, located in Animas Valley
   (artesian or shallow water aquifer) (name of underground basin)
3. The well is to be located in the SE ¼ SE ¼ NW ¼, Section 7 Township 25 S
   Range 19 W N.M.P.M., or Tract No. ____ of Map No. ____ of the ____ District,
   on land owned by Burgett Investment
4. Description of well: name of driller ____;
   Outside Diameter of casing ____ inches; Approximate depth to be drilled ____ feet;
5. Quantity of water to be appropriated and beneficially used 530.256 acre feet, per annum
   (consumptive use, diversion)
   for Geothermal uses, irrigation within greenhouses and related purposes.
6. Acreage to be irrigated or place of use ____ acres.

Subdivision	Section	Township	Range	Acres	Owner

For supplemental appropriation of shallow ground water not to exceed 530.256 acre-feet per annum from all combined sources measured at the wells for geothermal uses and irrigation within greenhouses and related purposes located in the SW¼NE¼ and the NW¼SE¼ of Section 7, Township 25 South, Range 19 West, N.M.P.M.

7. Additional statements or explanations Water from this well will be comingled with water from sixteen (16) wells for the supplemental appropriation of 530.256 acre-feet of water per annum and described as follows:

WELL NO:	SUBDIVISION	SECTION	TOWNSHIP	RANGE
A-36-A	SE¼SW¼NE¼	7	25 S	19 W
A-36-B	SE¼SW¼NE¼	7	25 S	19 W
A-36-AB-S	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-2	NE¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-3	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-4	SE¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-5	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-6	NW¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-7	NE¼SE¼	7	25 S	19 W
A-36-AB-S-8	NW¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-10	NW¼SW¼NW¼	12	25 S	20 W
A-36-AB-S-11	NW¼SW¼NW¼	12	25 S	20 W
A-36-AB-S-12	SW¼SW¼NE¼	7	25 S	19 W
A-64	NE¼SE¼SW¼	7	25 S	19 W
A-65-A	SE¼SE¼SW¼	7	25 S	19 W
A-65-A-S	SW¼SW¼NW¼	7	25 S	19 W

I, Dale Burgett, affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

Burgett Investment, Inc., Permittee,

By: Dale Burgett

OFFICIAL SEAL
Jean M. Pillar
Notary Public - New Mexico
My Bond Filed with Secretary of State
My Commission Expires ____

Subscribed and sworn to before me this 30th day of November, A.D., 19 87.

My commission expires 7/12/90

Jean M. Pillar
Notary Public

Number of this permit A-36-AD-S-13

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the detriment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of _____ wells be complied with; and further subject to the following conditions:

1. The total amount of water diverted from all sources combined shall not exceed 530.256 acre-feet per annum measured at the wells under this permit for geothermal use, irrigation within greenhouses and related purposes.

2. The total amount of water diverted from all sources combined shall be measured by totalizing meters and/or four meters of a type approved by and installed in a manner and at locations acceptable to the State Engineer.

3. Records of the amount of water diverted during the preceding calendar month shall be submitted to the State Engineer, District 3 Office, P. O. Box 844, Deming, New Mexico 88031, on or before the 30th day of the following month.

Proof of completion of well shall be filed on or before ~~October 31~~ , 19 ~~80~~

Proof of application of water to beneficial use shall be filed on or before _____ , 19 _____

Witness my hand and seal this 5th day of April , A.D., 19 80 .

S. E. Reynolds, State Engineer

By: J B Nixon .

J. B. Nixon
Engineer, District 3

INSTRUCTIONS

This form shall be executed, preferably typewritten, in triplicate and shall be accompanied by a filing fee of $5.00. Each of triplicate copies must be properly signed and attested.

A separate application for permit must be filed for each well used.

Secs. 1–4—Fill out all blanks fully and accurately.

Sec. 5—Irrigation use shall be stated in acre feet of water per acre per annum to be applied on the land. If for municipal or other purposes, state total quantity in acre feet to be used annually.

Sec. 6—Describe only the lands to be irrigated or where water will be used. If on unsurveyed lands describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily located natural object.

Sec. 7—If lands are irrigated from any other source, explain in this section. Give any other data necessary to fully describe water right sought.

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Burgett Investment, Inc. Owner's Well No.
Street or Post Office Address Star Route, Box 265-A
City and State Animas, New Mexico 88020

Well was drilled under Permit No. A-36-AB-S-13 and is located in the:

a. ¼ SE ¼ SE ¼ NW ¼ of Section 7 Township 25 S Range 19 W N.M.P.M.

b. Tract No. of Map No. of the

c. Lot No. of Block No. of the Subdivision, recorded in County.

d. X= feet, Y= feet, N.M. Coordinate System Zone in the Grant.

(B) Drilling Contractor Dale Burgett License No. WD-248

Address Star Route, Box 265-A, Animas, New Mexico 88020

Drilling Began 04/88 Completed 04/88 Type tools Rotary Size of hole 9 7/8 in.

Elevation of land surface or at well is ft. Total depth of well 275 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 65 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
90	110	20	Gravel	50

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
8 5/8								

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor
Address
Plugging Method
Date Well Plugged
Plugging approved by:
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received March 16, 1988

Quad FWL FSL

File No. A-36-AB-S-13 Use Supplemental Location No. 25.19.7.144

Section 6. LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, exce ection 5, shall be answered as completely a ccurately as possible when any well is

Well #10

1[illegible] ised December 1971

IMPORTANT--READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

CORRECTIVE **Application for Permit to Change Location of Well**

Date Received November 30, 1987 File No. A-36-AB-S-8

1. Name of Water Right Owner Burgett Investment, Inc.
   Street or Post Office Address Star Route Box 265A
   City and State Animas, New Mexico Zip Code 88020

2. Source of water supply Shallow (artesian or shallow water aquifer), located in Animas Valley (name of underground basin).

3. Well from which rights are to be severed:
   (a) Well is in the NW ¼ NW ¼ SE ¼, Section 7 Township 25 S Range 19 W N.M.P.M., or Tract No. ______ of Map No. ______ of the ______
   (b) Is well to be plugged not drilled; if not, state for what use retained ______.

4. Application is made to change location of well for the following reasons (If well is to be used for only a part of original right describe that part by legal description under item number 6): To correct location of Well No. A-36-AB-S-8 from the NW¼NW¼SE¼ of Section 7, to the NE¼NW¼SE¼ of Section 7.

5. Well to which transfer is to be made:
   (a) Located in the NE ¼ NW ¼ SE ¼, Section 7 Township 25 S Range 19 W N.M.P.M., or Tract No. ______ of Map No. ______ of the ______ on land owned by Burgett Investment, Inc.
   (b) Quantity of water to be appropriated 530.256 acre feet per annum ______ acres of land; if not for irrigation, specify purpose supplemental geothermal, irrigation within Greenhouses & related purposes
   (c) If existing well, give File No. A-36-AB-S-8
   (d) If a new well, give name of driller ______.
   (e) Outside diameter of casing ______ inches; Approximate depth to be drilled ______ feet.

6. Additional statements or explanations ______

I, Dale Burgett, affirm that the foregoing statements are true to the best of my knowledge and belief and that I am the agent for owner and holder of said water right. (sole, partial, agent for, etc.)

Burgett Investment, Inc., Applicant

By: [signature]

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the impairment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of ______ wells be complied with; and further subject to the following conditions:

1. The total amount of water diverted from all sources combined shall not exceed 530.256 acre-feet per annum measured at the wells under this permit for geothermal use, irrigation within greenhouses and related purposes.

2. The total amount of water diverted from all sources combindd shall be measured by totalizing meters and/or hour meters of a type approved by and installed in a manner and at a location acceptable to the State Engineer.

Records of the amount of water diverted during the preceding calendar month shall be submitted to the State Engineer, District 3 Office, P. O. Box 844, Deming, New Mexico 88030, on or before the 30th day of the following month.

Proof of completion of well shall be filed on or before ~~October 31~~ 19~~7x~~ 88

Witness my hand and seal this 5th day of April, A.D., 19~~7xx~~ 88

S. E. Reynolds, State Engineer

By: [signature] File No. ~~A-36-AB-S-8~~

J. B. Nixon, Engineer, District 3

well #10

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Burgett Investment, Inc. Owner's Well No. _____
Street or Post Office Address Star Route, Box 265-A
City and State Animas, New Mexico 88020

Well was drilled under Permit No. A-36-AB-S-8 and is located in the:

a. _____ ¼ NE ¼ NW ¼ SE ¼ of Section 7 Township 25 S Range 19 W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Dale Burgett License No. WD-248

Address Star Route, Box 265-A, Animas, New Mexico 88020

Drilling Began _____ Completed 10/84 Type tools rotary Size of hole 9 7/8 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 175 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 65 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
90	100	10	Gravel	100
145	165	20	Braken rock	250+

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
8		welded	0	176	175	none	90	175

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:
_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received March 16, 1988

Quad _____ FWL _____ FSL _____

File No. A-36-AB-S-8 Use Chg. Location of well Location No. 25.19.7.412

Section 6. LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is

Well # 9

Revised December 1971

IMPORTANT--READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

Application for Permit to Change Location of Well

Date Received November 30, 1987 File No. A-36-AB-S-7

1. Name of Water Right Owner Burgett Investment, Inc.
Street or Post Office Address Star Route Box 265A
City and State Animas, New Mexico Zip Code 88020

2. Source of water supply shallow (artesian or shallow water aquifer), located in Animas Valley (name of underground basin).

3. Well from which rights are to be severed:
(a) Well is in the ¼ NE ¼ SE ¼, Section 7 Township 25 S Range 19 W N.M.P.M., or Tract No. ____ of Map No. ____ of the ____.

(b) Is well to be plugged not drilled If not, state for what use retained ____.

4. Application is made to change location of well for the following reasons (If well is to be used for only a part of original right describe that part by legal description under item number 6): CHANGE OF BUILDING PLANS

5. Well to which transfer is to be made:
(a) Located in the NE ¼ NW ¼ SE ¼, Section 7 Township 25 S Range 19 W N.M.P.M., or Tract No. ____ of Map No. ____ of the ____ on land owned by Burgett Investment, Inc.
(b) Quantity of water to be appropriated 530.256 acre feet per annum applied to ____ acres of land; if not for irrigation, specify purpose. supplemental geothermal uses, irrigation within greenhouses and related purposes.
(c) If existing well, give File No. A-36-AB-S-7
(d) If a new well, give name of driller ____.
(e) Outside diameter of casing ____ inches; Approximate depth to be drilled ____ feet.

6. Additional statements or explanations ____

I, Dale Burgett, affirm that the foregoing statements are true to the best of my knowledge and belief and that I am the agent for (sole, partial, agent for, etc.) ____ owner and holder of said water right.

Burgett Investment, Inc., Applicant

By: Dale Burgett.

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the impairment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of ____ wells be complied with; and further subject to the following conditions:

1. The total amount of water diverted from all sources combined shall not exceed 530.256 acre-feet per annum measured at the wells under this permit, for geothermal use, irrigation within greenhouses and related purposes.

2. The total amount of water diverted from all sources combined shall be measured by totalizing meters and/or hour meters of a type approved by and installed in a manner and at a location acceptable to the State Engineer.

3. Records of the amount of water diverted during the preceding calendar month shall be submitted to the State Engineer, District 3 Office, P. O. Box 844, Deming, New Mexico 88031, on or before the 30th day of the following month.

Proof of completion of well shall be filed on or before October 31 19~~7~~88

Witness my hand and seal this 5th day of April, A.D., 19~~7~~88

S. E. Reynolds, State Engineer

By: J. B. Nixon
J. B. Nixon, Engineer, District 3

File No. A-36-AB-S-7

'84 MAY 21 PM 2

Revised December 1971

IMPORTANT—READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

112833 D - $5.00

STATE ENGINEER
DEMING

Application for Permit to Change Location of Well

Date Received May 21, 1984 File No. A-36-AB-S-7

'84 JUL 17 AM 10 46

1. Name of Water Right Owner Burgett Investment, Inc.
   Street or Post Office Address Star Route, Box 265A
   City and State Animas, New Mexico Zip Code 88020

2. Source of water supply shallow water aquifer, located in Animas Valley Underground Water Basin
   (artesian or shallow water aquifer) (name of underground basin)

3. Well from which rights are to be severed:
   (a) Well is in the NE ¼ NW ¼ SE ¼, Section 7 Township 25 S Range 19W N.M.P.M., or Tract No. _____ of Map No. _____ of the _____.
   (b) Is well to be plugged not drilled If not, state for what use retained _____.

4. Application is made to change location of well for the following reasons (If well is to be used for only a part of original right describe that part by legal description under item number 6): Have leased a portion of my land to Amax and I need to re-locate my well.

5. Well to which transfer is to be made:
   (a) Located in the _____ ¼ NE ¼ SE ¼, Section 7 Township 25 S Range 19 W N.M.P.M., or Tract No. _____ of Map No. _____ of the _____ on land owned by Burgett Investment, Inc.
   (b) Quantity of water to be appropriated 79.5 acre feet per annum acre feet applied to _____ acres of land; if not for irrigation, specify purpose supplemental geothermal uses, greenhouse irrigation & related purposes.
   (c) If existing well, give File No. _____.
   (d) If a new well, give name of driller Burgett Investment, Inc.
   (e) Outside diameter of casing 10 inches; Approximate depth to be drilled 1500 feet.

6. Additional statements or explanations _____

I, Dale Burgett, affirm that the foregoing statements are true to the best of my knowledge and belief and that I am the sole owner and holder of said water right.
(sole, partial, agent for, etc.)

Burgett Investment, Inc., Applicant

By: Dale Burgett.

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the impairment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of _____ wells be complied with; and further subject to the following conditions: See Attached Conditions of Approval

Proof of completion of well shall be filed on or before October 31, 1986

Witness my hand and seal this 4th day of October, A.D., 1984

S. E. Reynolds, State Engineer

By: D. R. Cooper, Asst. Chief
Water Rights Division

File No. A-36-AB-S-7

Well #8

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Burgett Investment, Inc. Owner's Well No. _____
Street or Post Office Address Star Route, Box 265-A
City and State Animas, New Mexico 88020

Well was drilled under Permit No. A-36-AB-S-6 and is located in the:

a. ___ ¼ NW ¼ NW ¼ SE ¼ of Section 7 Township 25 S Range 19 W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Burgett Drilling License No. WD-248

Address Star Route, Box 265-A, Animas, New Mexico 88020

Drilling Began April, 1982 Completed April, 1982 Type tools Rotary Size of hole 10 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 275 ft.

Completed well is [X] shallow [ ] artesian. Depth to water upon completion of well 68 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
90	105	15	Gravel	100
225	240	15	Broken rock or crevis	250

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
10	Welded		0	225	225	none	90	225

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:

_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received March 16, 1988

Quad _____ FWL _____ FSL _____

File No. A-36-AB-S-6 Use Supplemental Location No. 25.19.7.411

Section 6. LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, exc Section 5, shall be answered as completely ; ccurately as possible when any well is

Well #9

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Burgett Investment, Inc. Owner's Well No. _____
Street or Post Office Address Star Route, Box 265-A
City and State Animas, New Mexico 88020

Well was drilled under Permit No. A-36-AB-S-7 and is located in the:

a. _____ ¼ NE ¼ NW ¼ SE ¼ of Section 7 Township 25 S Range 19 W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Dale Burgett License No. WD-248

Address Star Route, Box 265-A, Animas, New Mexico 88020

Drilling Began 10-84 Completed 10/84 Type tools Rotary Size of hole 9 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 130 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 65 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
90	110	20	Gravel	100
129	130	1	Open Hole Cavity	250+

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
8 5/8		welded	0	130	130		90	130

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:
_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received March 16, 1988

Quad _____ FWL _____ FSL _____

File No. A-36-AB-S-7 Use Supplemental Location No. 25.19.7.412

Section 6. LOG OF HOLE

Depth in Feet		Thick[illegible] in Feet	Color and Type of Material Encountered
From	To		

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Jack Burgett
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, exce[illegible] Section 5, shall be answered as completely a[illegible] ccurately as possible when any well is

Well #7

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well: Burgett Investment, Inc. Owner's Well No. _____
Street or Post Office Address: c/o Dale Burgett Star Route, Box 265-A
City and State: Animas, New Mexico 88020

Well was drilled under Permit No. A-36-AB-S-5 and is located in the:

a. _____ ¼ SW ¼ SW ¼ NE ¼ of Section 7 Township 25 S Range 19 W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor: Burgett Drilling License No. WD-248

Address: Star Route, Box 265-A, Animas, New Mexico 88020

Drilling Began 08/82 Completed 08/82 Type tools Rotary Size of hole 12 3/4 in.

Elevation of land surface or 4240 at well is _____ ft. Total depth of well 600 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 65 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
95	100	5	Gravel	100
145	165	20	Broken and cracked rock	
455	460	5	Crevice	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
10 3/4		welded	0	250	250	none	90	105
8 5/8			250	600	350		145	165

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

RECEIVED JUN 17 1988 STATE ENGINEER

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:

_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received June 17, 1988

Quad _____ FWL _____ FSL _____

File No. A-36-AB-S-5 Use ~~Supplemental~~ Location No. 25.19.7.233

Section 6. LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		
0	600	600	Conglomerate

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate 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 1(a) and Section 5 need be completed.

Well #2

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Burgett Investment, Inc. Owner's Well No. _____
Street or Post Office Address Star Route, Box 265-A
City and State Animas, New Mexico 88020

Well was drilled under Permit No. A-36-AB-S and is located in the:

a. _____ ¼ SW ¼ SW ¼ NE ¼ of Section 7 Township 25 S Range 19 W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Dale Burgett License No. WD-248

Address Star Route, Box 265-A, Animas, New Mexico 88020

Drilling Began 09/79 Completed 09/79 Type tools cable Size of hole 10 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 115 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 65 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
90	115	25	Gravel	25

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
8		welded	0	115	115		90	115

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:
_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 03March 16, 1988

Quad _____ FWL _____ FSL _____

File No. A-36-AB-S Use Supplemental Location No. 25.19.7.233

Burgett Investment, Inc.
Star Route, Box [illegible]-A
[illegible]

Section 6. LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Jack Burgett
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections except Section 5 shall be answered as completely

Well #6

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Burgett Investment, Inc. Owner's Well No. _____
Street or Post Office Address Star Route, Box 265-A
City and State Animas, New Mexico 88020

Well was drilled under Permit No. A-36-AB-S-3 and is located in the:

a. _____ ¼ SW ¼ SW ¼ NE ¼ of Section 7 Township 25 S Range 19 W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor ~~Dale Burgett~~ License No. WD-244

Address ~~Star Route, Box 268-A, Animas, New Mexico 88020~~

Drilling Began ~~10/80~~ Completed ~~01/81~~ Type tools cable Size of hole 12 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 225 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 65 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
~~90~~	~~95~~	~~5~~	~~Gravel~~	100
~~185~~	~~210~~	~~25~~	~~Broken rock~~	250+

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
8		welded	0	225	225	none	90	225

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:
_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received March 16, 1988

Quad _____ FWL _____ FSL _____

File No. A-36-AB-S-3 Use Supplemental Location No. 25.19.7.233

Section 6. LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, exc[illegible] Section 5, shall be answered as completely [illegible] ccurately as possible when any well is

(Well #2)

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Burgett Investment, Inc. Owner's Well No. _____
Street or Post Office Address Star Route, Box 265-A
City and State Animas, New Mexico 88020

Well was drilled under Permit No. A-36-B and is located in the:

a. _____ ¼ SE ¼ SW ¼ NE ¼ of Section 7 Township 25 S Range 19 W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Unknown License No. _____

Address _____

Drilling Began 1948 Completed 1948 Type tools cable Size of hole _____ in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well _____ ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 65 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
			Unknown	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
18			0	90	90	none		
8			0	110	110	none		

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:

_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received March 16, 1988

Quad _____ FWL _____ FSL _____

File No. A-36-B Use Change Location of Well Location No. 25.19.7.234

Section 6, LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		

Section 7, REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, exc ection 5, shall be answered as completely ; ccurately as possible when any well s

Well #1

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Burgett Investment, Inc. Owner's Well No. _____
Street or Post Office Address Star Route, Box 265-A
City and State Animas, New Mexico 88020

Well was drilled under Permit No. A-36-A and is located in the:

a. _____ ¼ SE ¼ SW ¼ NE ¼ of Section 7 Township 25 S Range 19 W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Unknown License No. _____

Address _____

Drilling Began 1948 Completed 1948 Type tools cable tools Size of hole 12 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 85 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 65 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
0	10	10	Surface soil	
10	80	70	Hard clay, Fed gravel streaks	
80	85	5	Gravel Large)	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
12	54	welded	0	85	85	none	60	85

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:

_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received March 16, 1988

Quad _____ FWL _____ FSL _____

File No. A-36-A Use Change Location of well Location No. 25.19.7.234

Section 6. LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Dal Burgett
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and …mitted to the appropriate district office of the State Engineer. All sections, exce… ection 5, shall be answered as completely a… ccurately as possible when any well is

Revised December 1971

IMPORTANT—READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

'86 FEB 19 PM 1

Application for Permit to Change Location of Well

137983 D $5.00

Date Received FEB 19 1986 File No. A-36-AB-S-2

STATE ENGINEER OFFICE

1. Name of Water Right Owner Burgett Investment, Inc.
   Street or Post Office Address Star Route, Box 265-A
   City and State Animas, New Mexico Zip Code 88020

2. Source of water supply shallow water aquifer, located in Animas Valley.
   (artesian or shallow water aquifer) (name of underground basin)

3. Well from which rights are to be severed:
   (a) Well is in the SE ¼ NE ¼ SE ¼, Section 7 Township 25 S Range 19 W N.M.P.M., or Tract No. _____ of Map No. _____ of the _____.

   (b) Is well to be plugged yes; If not, state for what use retained _____.

4. Application is made to change location of well for the following reasons (If well is to be used for only a part of original right describe that part by legal description under item number 6): Surface aquifer has not got enough water to be productive. The well only produces approximately ½ GPM.

5. Well to which transfer is to be made:
   (a) Located in the NE ¼ NW ¼ SE ¼, Section 7 Township 25 S Range 19 W N.M.P.M., or Tract No. _____ of Map No. _____ of the _____ on land owned by Applicant
   (b) Quantity of water to be appropriated 530.256 acre feet applied to per annum acres of land; if not for irrigation, specify purpose Supplemental Geothermal uses, irrigation within greenhouses and related purposes.
   (c) If existing well, give File No. _____.
   (d) If a new well, give name of driller Unknown
   (e) Outside diameter of casing 12 3/4 inches; Approximate depth to be drilled 300 feet.

6. Additional statements or explanations _____

'86 FEB 12 AM 8 43 STATE ENGINEER DISTRICT OFFICE DEMING, N.M.

I, Dale Burgett, affirm that the foregoing statements are true to the best of my knowledge and belief and that I am the _____ owner and holder of said water right.
(sole, partial, agent for, etc.)

Burgett Investment, Inc., Applicant

By: _____

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the impairment of any others having existing rights; ~~further provided that all rules and regulations of the State Engineer pertaining to the drilling of _____ wells be complied with, and further subject to the following conditions:~~ and is not detrimental to the public welfare or contrary to the conservation of water within the state; further provided that all rules and regulations of the State Engineer pertaining to the drilling of shallow wells be complied with; and further subject to the attached conditions:

See Attached Conditions of Approval

Proof of completion of well shall be filed on or before February 28 1988

Witness my hand and seal this 11th day of February, A.D., 1987

S. E. Reynolds, State Engineer

By: Frank Craig File No. A-36-AB-S-2

Frank Craig
Water Rights Division

Well #

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Burgett Investment, Inc. Owner's Well No. _____
Street or Post Office Address Star Route, Box 265-A
City and State Animas, New Mexico 88020

Well was drilled under Permit No. A-36-AB-S-4 and is located in the:

a. _____ ¼ SE ¼ SW ¼ NE ¼ of Section 7 Township 25 S Range 19 W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Unknown License No. _____

Address _____

Drilling Began 1948 Completed 1948 Type tools cable Size of hole 8 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 90 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 65 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
			Unknown	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
10								

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:

_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received March 16, 1937

Quad _____ FWL _____ FSL _____

File No. A-36-AB-4 Use Supplemental Location No. 25.19.7.234

Section 6. LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

[signature]
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, exc[illegible] Section 5, shall be answered as completely a[illegible] ccurately as possible when any well is

Revised December 1971

IMPORTANT—READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

137983 D $5.00

CORRECTIVE

Application for Permit to Change Location of Well

Date Received February 19, 1986 File No. A-36-AB-S-8

1. Name of Water Right Owner Burgett Investment, Inc.
   Street or Post Office Address Star Route, Box 265A
   City and State Animas, New Mexico Zip Code 88020

2. Source of water supply shallow water aquifer (artesian or shallow water aquifer), located in Animas Valley (name of underground basin).

3. Well from which rights are to be severed:
   (a) Well is in the SW ¼ NW ¼ SE ¼, Section 7 Township 25 S Range 19 W N.M.P.M., or Tract No. _____ of Map No. _____ of the _____.
   (b) Is well to be plugged not drilled; If not, state for what use retained _____.

4. Application is made to change location of well for the following reasons (If well is to be used for only a part of original right describe that part by legal description under item number 6): Have leased a portion of land to Amax and I need to re-locate my well.

5. Well to which transfer is to be made:
   (a) Located in the NW ¼ NW ¼ SE ¼, Section 7 Township 25 S Range 19 W N.M.P.M., or Tract No. _____ of Map No. _____ of the _____ on land owned by Burgett Investment, Inc.
   (b) Quantity of water to be appropriated 79.5 acre-feet per annum acre feet applied to _____ acres of land; if not for irrigation, specify purpose. Supplemental geothermal uses, greenhouse irrigation and related purposes.
   (c) If existing well, give File No. _____.
   (d) If a new well, give name of driller _____.
   (e) Outside diameter of casing _____ inches; Approximate depth to be drilled _____ feet.

6. Additional statements or explanations _____

I, Dale Burgett, affirm that the foregoing statements are true to the best of my knowledge and belief and that I am the _____ owner and holder of said water right.
(sole, partial, agent for, etc.)

Burgett Investment, Inc., Applicant

By: _____

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the impairment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of _____ wells be complied with; and further subject to the following conditions:

1. The total amount of water diverted from all sources combined shall not exceed 79.5 acre-feet per annum measured at the wells.

2. The total amount of water diverted from all sources combined shall be measured by totalizing water meters of a type approved by and installed in a manner and at a location acceptable to the State Engineer.

3. Records of the amount of water diverted during the preceding calendar month shall be submitted to the State Engineer, District 3 Supervisor, P.O. Box 844, Deming, New Mexico 88031, on or before the 30th day of the following month.

Proof of completion of well shall be filed on or before October 31 1986

Witness my hand and seal this 21st day of July, A.D., 1986

S. E. Reynolds, State Engineer

By: _____ File No. A-36-AB-S-8
L. T. Putnam
Supervisor, District 3

'84 MAY 21 PM 2

Revised December 1971

IMPORTANT—READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM 112333 D - $5.00

STATE ENGINEER
DEMING, NM

Application for Permit to Change Location of Well

Date Received May 21, 1984 File No. A-36-AB-S-8

1. Name of Water Right Owner Burgett Investment, Inc.
   Street or Post Office Address Star Route, Box 265A
   City and State Animas, New Mexico Zip Code 88020

'84 DEC 17 AM 10 46

STATE ENGINEER OFFICE

2. Source of water supply shallow water aquifer (artesian or shallow water aquifer), located in Animas Valley Underground Water Basin (name of underground basin)

3. Well from which rights are to be severed:
   (a) Well is in the ¼ ¼ ¼, Section Township Range N.M.P.M.,
   or Tract No. SW of Map No. NA SE of the 7 25 S 19 W.

   (b) Is well to be plugged not drilled; if not, state for what use retained .

4. Application is made to change location of well for the following reasons (If well is to be used for only a part of original right describe that part by legal description under item number 6): Have leased a portion of my land to Amax and I need to re-locate my well.

5. Well to which transfer is to be made:
   (a) Located in the ¼ NE ¼ SE ¼, Section 7 Township 25 S Range 19 W N.M.P.M.,
   or Tract No. of Map No. of the
   on land owned by Burgett Investment, Inc.
   (b) Quantity of water to be appropriated 79.5 acre feet per annum applied to acres of land; if not for irrigation, specify purpose supplemental geothermal uses, greenhouse irrigation & related purposes.
   (c) If existing well, give File No.
   (d) If a new well, give name of driller Burgett Investment, Inc.
   (e) Outside diameter of casing 10 inches. Approximate depth to be drilled 1500 feet.

6. Additional statements or explanations

I, Dale Burgett, affirm that the foregoing statements are true to the best of my knowledge and belief and that I am the (sole, partial, agent for, etc.) owner and holder of said water right.

Burgett Investment, Inc., Applicant

By: Dale Burgett

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the impairment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of wells be complied with; and further subject to the following conditions: See Attached Conditions of Approval

Proof of completion of well shall be filed on or before October 31 1986

Witness my hand and seal this 4th day of October, A.D., 1984

S. E. Reynolds, State Engineer

By: D. R. Cooper, Asst. Chief
Water Rights Division

File No. A-36-AB-S-8

'84 DEC 21 AM 10 42

'86 FEB 19 AM 9 15

(W-1171)

Revised August 1967

IMPORTANT—READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

STATE ENGINEER

'86 JUN 5 P2

SUPPLEMENTAL

APPLICATION FOR PERMIT

137983 D $5.00

SANTA FE, NEW MEXICO

To Appropriate the Underground Waters of the State of New Mexico

Date Received February 19, 1986 File No. A-36-AB-S-12

1. Name of applicant Burgett Investment, Inc.
   Mailing address Star Route, Box 265-A
   City and State Animas, New Mexico 88020

2. Source of water supply shallow water aquifer, located in Animas Valley
   (artesian or shallow water aquifer) (name of underground basin)

3. The well is to be located in the SW ¼ SW ¼ NE ¼, Section 7 Township 25 S
   Range 19 W N.M.P.M., or Tract No. ____ of Map No. ____ of the ____ District,
   on land owned by ____.

4. Description of well: name of driller ____;
   Outside Diameter of casing ____ inches; Approximate depth to be drilled ____ feet;

5. Quantity of water to be appropriated and beneficially used 530.256 acre feet per annu
   (consumptive use, diversion)
   for Geothermal uses, Irrigation within greenhouses and related purposes.

6. Acreage to be irrigated or place of use ____ acres.

Subdivision	Section	Township	Range	Acres	Owner

For supplemental appropriation of shallow ground water not to exceed 530.256 acre-feet per annum from all combined sources measured at the wells for geothermal uses and irrigation within greenhouses and related purposes located in the SW¼NE¼ and NW¼SE¼ of Section 7, Township 25 South, Range 19 West, N.M.P.M.

7. Additional statements or explanations Water from this well will be comingled with water from fifteen (15) wells for the supplemental appropriation of 530.256 acre-feet of water per annum and described as follows:

WELL NO.	SUBDIVISION	SECTION	TOWNSHIP	RANGE
A-36-A	SE¼SW¼NE¼	7	25 S	19 W
A-36-B	SE¼SW¼NE¼	7	25 S	19 W
A-36-AB-S	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-2	SE¼NE¼SE¼	7	25 S	19 W
A-36-AB-S-3	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-4	SE¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-5	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-6	NW¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-7	NE¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-8	SW¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-9	SE¼SE¼NW¼	7	25 S	19 W
A-36-AB-S-10	NW¼SW¼NW¼	12	25 S	20 W
A-64	NE¼SE¼SW¼	7	25 S	19 W
A-65-A	SE¼SE¼SW¼	7	25 S	19 W
A-65-A-S	SW¼SW¼NW¼	7	25 S	19 W

I, Dale Burgett, affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

OFFICIAL SEAL
Jean M. Pillar
Notary Public - New Mexico
Notary Bond Filed with Secretary of State
My Commission Expires ____

Burgett Investment, Inc., Permittee,

By: Dale Burgett.

Subscribed and sworn to before me this 19th day of February, A.D., 1986.

My commission expires July 12, 1986

Jean M. Pillar
Notary Public

Number of this permit A-36-AB-S-12

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the detriment of any others having existing rights; ~~further provided that all rules and regulations of the State Engineer pertaining to the drilling of _____ wells be complied with, and further subject to the following conditions:~~ and is not detrimental to the public welfare or contrary to the conservation of water within the state; further provided that all rules and regulations of the State Engineer pertaining to the drilling of shallow wells be complied with; and further subject to the following conditions:

1. The total amount of water diverted from all sources combined shall not exceed 530.256 acre-feet per annum measured at the wells under this permit.

2. The total amount of water diverted from all sources combined shall be measured by totalizing meters of a type approved by and installed in a manner and at locations acceptable to the State Engineer.

3. Records of the amount of water diverted during the preceding calendar month shall be submitted to the State Engineer, District 3 Supervisor, P.O. Box 844, Deming, New Mexico 88031, on or before the 30th day of the following month.

Proof of completion of well shall be filed on or before February 28, 19 88

Proof of application of water to beneficial use shall be filed on or before _____, 19 _____

Witness my hand and seal this 11th day of February, A.D., 19 87.

S. E. Reynolds, State Engineer

By: Frank Craig.

Frank Craig
Water Rights Division

INSTRUCTIONS

This form shall be executed, preferably typewritten, in triplicate and shall be accompanied by a filing fee of $5.00. Each of triplicate copies must be properly signed and attested.

A separate application for permit must be filed for each well used.

Secs. 1–4—Fill out all blanks fully and accurately.

Sec. 5—Irrigation use shall be stated in acre feet of water per acre per annum to be applied on the land. If for municipal or other purposes, state total quantity in acre feet to be used annually.

Sec. 6—Describe only the lands to be irrigated or where water will be used. If on unsurveyed lands describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily located natural object.

Sec. 7—If lands are irrigated from any other source, explain in this section. Give any other data necessary to fully describe water right sought.

Fresh water Well #24 26 ✓

Revised April, 1974

IMPORTANT – READ INSTRUCTIONS BEFORE FILLING OUT THIS FORM

121427 D - $1.00

CHANGE OF OWNERSHIP OF WATER RIGHT

1. NAME OF WATER RIGHT OWNER OF RECORD Norman S. Wright and The Federal Land Bank of Wichita
Mailing Address P.O. Box 2940
City and State Wichita, Kansas 67201
the owner and holder of a water right set forth in file number A-51, A-53, (A-54) combined
of record in the office of the State Engineer has conveyed all (all or part) of said right to:

Fresh Water

Name Rosette, Inc., a New Mexico corporation
Mailing Address c/o Dale Burgett, Box 165-A
City and State Animas, NM, 88020

2. IRRIGATION: The conveyed water right is appurtenant to lands described as follows (describe only lands with actual water right and diversion as that amount of water measured at the well and/or farm headgate):

SUBDIVISION (District or Hydrographic Survey)	SECTION	TOWNSHIP (Map No.)	RANGE (Tract No.)	ACREAGE	DIVERSION (Acre Feet Per Annum)	PRIORITY
NW¼, Part W½NE¼SW¼	14	25S	20W	154.296		
Part S½	14	25S	20W)	295.500		
Part N½N½	23	25S	20W)			
			TOTAL	449.796		

OTHER: Purpose _____ ; Amount _____ (acre feet per annum of diversion); Priority _____.

3. DESIGNATE WELLS TO ACCOMPANY THE CONVEYED RIGHT: (To be executed if conveyance involves only a part of a ground water right):

WELL FILE NO.	SUBDIVISION (District or Hydrographic Survey)	SECTION	TOWNSHIP (Map No.)	RANGE (Tract No.)

4. I HEREBY CONSENT TO A LAWFUL CHANGE IN THE PLACE AND/OR PURPOSE OF USE OF THE ABOVE-DESCRIBED WATER RIGHT: (To be executed if water right described above is a right for irrigation purposes and has been conveyed seperate from the land to which it is appurtenant.)

Thomas E. Anderson, Special Master

The undersigned, being first duly sworn upon oath, deposes and says that he has read the foregoing statements and that the same are true to the best of his knowledge and belief.

Thomas E. Anderson, Special Master

Subscribed and sworn to before me this 17th day of April, A.D., 1985

My commission expires: 5/24/88 Notary Public

INSTRUCTIONS

Change of ownership shall be filed in triplicate and executed either by conveyor (seller) or by the new owner and shall be accompanied by a filing fee of $1.00. If executed by the new owner it shall be accompanied by a certified copy of the deed or other instrument of conveyance.

FOR STATE ENGINEER USE ONLY

A _____ (warranty deed, other) from _____ to _____

was found by me to be recorded on the _____ day of _____, A.D., 19 _____ on page _____ of Book No. _____ of record of _____ County.

By: _____ Date: _____

Date Received May 14, 1985 File No. A-51, A-53, A-54-Combined

Revised June 1972

STATE ENGINEER OFFICE

Well #11

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Dale Burgett Nurseries Owner's Well No. 1

Street or Post Office Address 2658 Star Route

City and State Animas N. Mex 88020

Well was drilled under Permit No. ? A-36-AB-S-8'12 and is located in the:

? a. ____ ¼ SW ¼ SW ¼ NE ¼ of Section 7 Township 25 S Range 19 W N.M.P.M.

b. Tract No. ____ of Map No. ____ of the ____

c. Lot No. ____ of Block No. ____ of the ____
Subdivision, recorded in ____ County.

d. X= ____ feet, Y= ____ feet, N.M. Coordinate System ____ Zone in the ____ Grant.

(B) Drilling Contractor Oasis Drilling License No. WD-506

Address Po Box 436 Animas N. Mex 88020

Drilling Began 5-03-83 Completed 10-03-83 Type tools Rotary Size of hole 12 in.

Elevation of land surface or approximately at well is 4250 ft. Total depth of well 260 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well ____ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
120	150	30	gravel	50
210	215	5	Gravel	10
215	260	45	Conglomerate	10

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
14	.125		0	6	6	Surface Casing		
8"	.188	Welded	0	260	260	Wire	220	260
8"	.188		0	260	260		220	260

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
0	260	12	20	2	Pumped
0	260	12	4yds gravel	packed	"

Section 5. PLUGGING RECORD

Plugging Contractor ____

Address ____

Plugging Method ____

Date Well Plugged ____

Plugging approved by:

State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received April 7, 1983

Quad ____ FWL ____ FSL ____

File No. A-36-AB-S-8'12 Use Supplemental Irrigation Location No. 25.19.7.233

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thick in Feet	Color and Type of Material Encountered
0	10	10	Clay
10	40	30	Sand with layers of clay
40	46	6	gravel
46	49	3	Sand
49	56	7	gravel
56	60	4	Sand
60	70	10	Sand & gravel
70	108	38	gravel
108	120	12	Conglomerate
120	150	30	gravel
150	180	30	Sand
180	210	30	Rock
210	215	5	gravel
215	260	45	Conglomerate

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Dean Jamison
Driller

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

Revised August 1967

096680 D - $5.00

'81 AUG 31 PM 4 34

IMPORTANT—READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

STATE SUPPLEMENTAL DISTRICT III DEMING, N. MEX.

APPLICATION FOR PERMIT

To Appropriate the Underground Waters of the State of New Mexico

Date Received August 31, 1981 File No. A 36-AB-S-8

1. Name of applicant Burgett Investment, Inc.; Thermal Power Associates and ~~Harriet Green~~
   Mailing address Star Route, Box 265A
   City and State Animas, New Mexico 88020
2. Source of water supply shallow water aquifer, located in Animas Valley Underground Water Basin
   (artesian or shallow water aquifer) (name of underground basin)
3. The well is to be located in the SW ¼ NW ¼ SE ¼, Section 7 Township 25 South
   Range 19 West N.M.P.M., or Tract No. ____ of Map No. ____ of the ____ District,
   on land owned by Harriet Green
4. Description of well: name of driller Burgett;
   Outside Diameter of casing 10 inches; Approximate depth to be drilled 1500 feet;
5. Quantity of water to be appropriated and beneficially used 79.5 acre feet per annum
   (~~consumptive use~~, diversion)
   for supplemental geothermal and irrigation within greenhouses & related purposes.
6. Acreage to be irrigated or place of use ____ acres.

Subdivision	Section	Township	Range	Acres	Owner
For supplemental irrigation of shallow groundwater not to exceed 79.5 acre-feet per annum from all combined sources measured at the wells for geothermal uses and irrigation within greenhouses and related purposes located in the SW¼NE¼ and NW¼SE¼ of Section 7, Township 25 South, Range 19 West, N.M.P.M.					

7. Additional statements or explanations Water from A-36-AB-S-8 will be commingled with water from wells numbered as follows:

WELL NO.		SUBDIVISION	SECTION	TOWNSHIP	RANGE
A-36-A	located in the	SE¼SW¼NE¼	7	25 S	19 W
A-36-A'	located in the	SE¼SW¼NE¼	7	25 S	19 W
A-36-AB-S	located in the	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-2	located in the	SE¼NE¼SE¼	7	25 S	19 W
A-36-AB-S-3	located in the	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-4	located in the	SE¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-5	to be located in the	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-6	to be located in the	NW¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-7	to be located in the	NE¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-9	to be located in the	SE¼SE¼NW¼	7	25 S	19 W

We, Burgett Investment, Inc.; Thermal Power Associates and ~~Harriet Green~~, affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

~~Harriet Green~~, Permittee

Burgett Investment, Inc., Permittee,

By: Don Burgett Pres.

Thermal Power Associates, Permittee

By: D. McDonald, Pres.

Subscribed and sworn to before me this 2nd day of August, A.D., 19 81.

My commission expires My Commission Expires July 12, 1982

Notary Public

A-36-AB-S-8

Number of this permit _____

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the detriment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of _____ wells be complied with; and further subject to the following conditions:

1. The total amount of water diverted from all sources combined shall not exceed 79.5 acre-feet per annum measured at the wells under this permit.

2. The total amount of water diverted from all sources combined shall be measured by totalizing meters of a type approved by and installed in a manner and at locations acceptable to the State Engineer.

3. Records of the amount of water diverted during the preceding calendar month shall be submitted to the State Engineer District III Supervisor, P. O. Box 844, Deming, New Mexico 88031-0844 on or before the 30th day of the following month.

Proof of completion of well shall be filed on or before April 30, 19 82

Proof of application of water to beneficial use shall be filed on or before January 15th, 19 82

Witness my hand and seal this _____ day of _____, A.D., 19 _____.

S. E. Reynolds, State Engineer

By: ~~J. W. Dixon, Engineer~~
Water Rights Bureau

INSTRUCTIONS

This form shall be executed, preferably typewritten, in triplicate and shall be accompanied by a filing fee of $5.00. Each of triplicate copies must be properly signed and attested.

A separate application for permit must be filed for each well used.

Secs. 1–4—Fill out all blanks fully and accurately.

Sec. 5—Irrigation use shall be stated in acre feet of water per acre per annum to be applied on the land. If for municipal or other purposes, state total quantity in acre feet to be used annually.

Sec. 6—Describe only the lands to be irrigated or where water will be used. If on unsurveyed lands describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily located natural object.

Sec. 7—If lands are irrigated from any other source, explain in this section. Give any other data necessary to fully describe water right sought.

Revised August 1967

'81 AUG 31 PM 4 36

096680 D - $5.00

IMPORTANT—READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

STATE ENGINEER OFFICE
DISTRICT III
DEMING, N. MEX.

SUPPLEMENTAL APPLICATION FOR PERMIT

To Appropriate the Underground Waters of the State of New Mexico

Date Received August 31, 1981 File No. A-36-AB-S-7

1. Name of applicant Burgett Investment, Inc.; Thermal Power Associates & ~~Harriet Green~~
   Mailing address Star Route, Box 265A
   City and State Animas, New Mexico 88020
2. Source of water supply shallow water aquifer, located in ANIMAS VALLEY UNDERGROUND WATER BASIN
   (artesian or shallow water aquifer) (name of underground basin)
3. The well is to be located in the NE ¼ NW ¼ SE ¼, Section 7 Township 25 South
   Range 19 West N.M.P.M., or Tract No. ____ of Map No. ____ of the ____ District,
   on land owned by Harriet Green
4. Description of well: name of driller Burgett;
   Outside Diameter of casing 10 inches; Approximate depth to be drilled 1500 feet;
5. Quantity of water to be appropriated and beneficially used 79.5 acre feet, per annum
   (~~consumptive use~~, diversion)
   for supplemental geothermal uses & irrigation within greenhouses & related purposes.
6. Acreage to be irrigated or place of use ____ acres.

Subdivision	Section	Township	Range	Acres	Owner

For supplemental appropriation of shallow groundwater not to exceed 79.5 acre-feet per annum from all combined sources measured at the wells for geothermal uses and irrigation within greenhouses and related purposes located in the SW¼NE¼ & NW¼SE¼ of Section 7, Township 25 South, Range 19 West.

7. Additional statements or explanations Water from Well No. A-36-AB-S-7 will be commingled with water from wells numbered as follows:

WELL NO.		SUBDIVISION	SECTION	TOWNSHIP	RANGE
A-36-A	located in the	SE¼SW¼NE¼	7	25 S	19 W
A-36-B	located in the	SE¼SW¼NE¼	7	25 S	19 W
A-36-AB-S	located in the	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-2	located in the	SE¼NE¼SE¼	7	25 S	19 W
A-36-AB-S-3	located in the	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-4	located in the	SE¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-5	to be located in the	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-6	to be located in the	NW¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-8	to be located in the	SW¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-9	to be located in the	SE¼SE¼NW¼	7	25 S	19 W

We, Burgett Investment, Inc.; Thermal Power Associates & ~~Harriet Green~~, affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

~~Harriet Green~~, Permittee

Burgett Investment, Inc., Permittee, Thermal Power Associates, Permittee

By: Dale Burgett Pres. By: D. M. McDonald, Pres.

Subscribed and sworn to before me this 23rd day of August, A.D. 19 81

My commission expires My Commission Expires July 12, 1982

Notary Public

Number of this permit A-36-AB-S-7

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the detriment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of _____ wells be complied with; and further subject to the following conditions:

1. The total amount of water diverted from all sources combined shall not exceed 79.5 acre-feet per annum measured at the wells under this permit.

2. The total amount of water diverted from all sources combined shall be measured by totalizing meters of a type approved by and installed in a manner and at locations acceptable to the State Engineer.

3. Records of the amount of water diverted during the preceding calendar month shall be submitted to the State Engineer District III Supervisor, P. O. Box 844, Deming, New Mexico 88031-0844 on or before the 30th day of the following month.

Proof of completion of well shall be filed on or before April 30, 19 82

Proof of application of water to beneficial use shall be filed on or before _____, 19 _____

Witness my hand and seal this 15th day of January, A.D., 19 82.

S. E. Reynolds, State Engineer

By J. B. Nixon, Engineer
Water Rights Bureau

INSTRUCTIONS

This form shall be executed, preferably typewritten, in triplicate and shall be accompanied by a filing fee of $5.00. Each of triplicate copies must be properly signed and attested.

A separate application for permit must be filed for each well used.

Secs. 1–4—Fill out all blanks fully and accurately.

Sec. 5—Irrigation use shall be stated in acre feet of water per acre per annum to be applied on the land. If for municipal or other purposes, state total quantity in acre feet to be used annually.

Sec. 6—Describe only the lands to be irrigated or where water will be used. If on unsurveyed lands describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily located natural object.

Sec. 7—If lands are irrigated from any other source, explain in this section. Give any other data necessary to fully describe water right sought.

(Well "8")

'81 AUG 31 PM 4 32

Revised August 1967

096680 D - $5.00

IMPORTANT—READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

STATE ENGINEER OFFICE
DEMING, N. MEX.

~~SUPPLEMENTAL~~ APPLICATION FOR PERMIT

To Appropriate the Underground Waters of the State of New Mexico

Date Received August 31, 1981 File No. A-36-AB-S-6

1. Name of applicant Burgett Investment, Inc.; Thermal Power Associates & ~~Harriet Green~~
   Mailing address Star Route, Box 265A
   City and State Animas, New Mexico 88020
2. Source of water supply shallow water aquifer, located in ANIMAS VALLEY UNDERGROUND WATER BASIN
   (artesian or shallow water aquifer) (name of underground basin)
3. The well is to be located in the NW ¼ NW ¼ SE ¼, Section 7 Township 25 South
   Range 19 West N.M.P.M., or Tract No. ____ of Map No. ____ of the ____ District,
   on land owned by Harriet Green.
4. Description of well: name of driller Burgett;
   Outside Diameter of casing 10 inches; Approximate depth to be drilled 1500 feet;
5. Quantity of water to be appropriated and beneficially used 79.5 acre feet, per annum
   (~~consumptive use~~, diversion)
   for supplemental geothermal uses & irrigation within greenhouses & related purposes.
6. Acreage to be irrigated or place of use ____ acres.

Subdivision	Section	Township	Range	Acres	Owner

For supplemental appropriation of shallow groundwater not to exceed 79.5 acre-feet per annum from all combined sources measured at the wells for geothermal uses and irrigation within greenhouses and related purposes located in the SW¼NE¼ & NW¼SE¼ of Section 7, Township 25 South, Range 19 West.

7. Additional statements or explanations Water from Well No. A-36-AB-S-6 will be commingled with water from wells numbered as follows:

WELL NO.		SUBDIVISION	SECTION	TOWNSHIP	RANGE
A-36-A	located in the	SE¼SW¼NE¼	7	25 S	19 W
A-36-B	located in the	SE¼SW¼NE¼	7	25 S	19 W
A-36-AB-S	located in the	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-2	located in the	SE¼NE¼SE¼	7	25 S	19 W
A-36-AB-S-3	located in the	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-4	located in the	SE¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-5	to be located in the	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-7	to be located in the	NE¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-8	to be located in the	SW¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-9	to be located in the	SE¼SE¼NW¼	7	25 S	19 W

We, Burgett Investment, Inc.; Thermal Power Associates & ~~Harriet Green~~, affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

~~Harriet Green~~, ~~Permittee~~

Burgett Investment, Inc., Permittee, Thermal Power Associates, Permittee

By: Dale Burgett Pres. By: D. L. McDonald, Pres

Subscribed and sworn to before me this 28th day of August A.D., 19 81.

My Commission Expires July 12, 1982

My commission expires ____

Notary Public

Number of this permit A-36-AB-S-6

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the detriment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of _____ wells be complied with; and further subject to the following conditions:

1. The total amount of water diverted from all sources combined shall not exceed 79.5 acre-feet per annum measured at the wells under this permit.

2. The total amount of water diverted from all sources combined shall be measured by totalizing meters of a type approved by and installed in a manner and at locations acceptable to the State Engineer.

3. Records of the amount of water diverted during the preceding calendar month shall be submitted to the State Engineer District III Supervisor, P. O. Box 844, Deming, New Mexico 88031-0844 on or before the 30th day of the following month.

Proof of completion of well shall be filed on or before April 30, 19 82

Proof of application of water to beneficial use shall be filed on or before _____, 19 _____

Witness my hand and seal this 15th day of January, A.D., 19 82.

S. E. Reynolds, State Engineer

By: _____.

J. B. Nixon, Engineer
Water Rights Bureau

INSTRUCTIONS

This form shall be executed, preferably typewritten, in triplicate and shall be accompanied by a filing fee of $5.00. Each of triplicate copies must be properly signed and attested.

A separate application for permit must be filed for each well used.

Secs. 1–4—Fill out all blanks fully and accurately.

Sec. 5—Irrigation use shall be stated in acre feet of water per acre per annum to be applied on the land. If for municipal or other purposes, state total quantity in acre feet to be used annually.

Sec. 6—Describe only the lands to be irrigated or where water will be used. If on unsurveyed lands describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily located natural object.

Sec. 7—If lands are irrigated from any other source, explain in this section. Give any other data necessary to fully describe water right sought.

[illegible] shall be answered as completely as possible, typewritten, and [illegible]

Well #5

Revised August 1967

'81 AUG 31 PM 4 35

096680 D 0 $5.00

IMPORTANT—READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

STATE ENGINEER OFFICE
DISTRICT IV
DEMING, N. MEX.

SUPPLEMENTAL APPLICATION FOR PERMIT

To Appropriate the Underground Waters of the State of New Mexico

Date Received August 31, 1981 File No. A-36-AB-S-3

1. Name of applicant Burgett Investment, Inc.; Thermal Power Associates & ~~Harriet Tooh~~
   Mailing address Star Route, Box 265 A
   City and State Animas, New Mexico 88020
2. Source of water supply shallow water aquifer, located in Animas Valley Underground Water Basin
   (artesian or shallow water aquifer) (name of underground basin)
3. The well is to be located in the SW ¼ SW ¼ NE ¼, Section 7 Township 25 South
   Range 19 West N.M.P.M., or Tract No. ____ of Map No. ____ of the ____ District,
   on land owned by Thermal Power Associates.
4. Description of well: name of driller Burgett;
   Outside Diameter of casing 8 inches; ~~Approximate~~ depth to be drilled 90 feet;
5. Quantity of water to be appropriated and beneficially used 79.5 acre feet, per annum
   (consumptive use, diversion)
   for Supplemental Geothermal uses & Irrigation within greenhouses & related purposes.
6. Acreage to be irrigated or place of use ____ acres.

Subdivision	Section	Township	Range	Acres	Owner
For supplemental appropriation of shallow ground water not to exceed 79.5 acre feet per annum from all combined sources measured at the wells for Geothermal uses and Irrigation within greenhouses and related purposes located in the SW¼NE¼ & NW¼SE¼ of Section 7, Township 25 South, Range 19 West.					

7. Additional statements or explanations Water from Well No. A-36-AB-S-3 will be commingled with water from wells numbered as follows:

WELL NO.		SUBDIVISION	SECTION	TOWNSHIP	RANGE
A-36-A	located in the	SE¼SW¼NE¼	7	25 S.	19 W.
A-36-B	located in the	SE¼SW¼NE¼	7	25 S.	19 W.
A-36-AB-S	located in the	SW¼SW¼NE¼	7	25 S.	19 W.
A-36-AB-S-2	located in the	SE¼NE¼SE¼	7	25 S.	19 W.
A-36-AB-S-4	located in the	SE¼SW¼NE¼	7	25 S.	19 W.
A-36-AB-S-5	to be located in the	SW¼SW¼NE¼	7	25 S.	19 W.
A-36-AB-S-6	to be located in the	NW¼NW¼SE¼	7	25 S.	19 W.
A-36-AB-S-7	to be located in the	NE¼NW¼SE¼	7	25 S.	19 W.
A-36-AB-S-8	to be located in the	SW¼NW¼SE¼	7	25 S.	19 W.
A-36-AB-S-9	to be located in the	SE¼SE¼NW¼	7	25 S.	19 W.

This proposed well under this application is existing well not on record with the State Engineer Office.

We, Burgett Investment, Inc.; Thermal Power Associates & ~~Harriet Tooh~~, affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

~~Harriet Tooh~~

Burgett Investment, Inc., Permittee, Thermal Power Associates

By: Del Burgett Pres. By: D.D. McDonald, Pres

Subscribed and sworn to before me this 2nd day of Sept, A.D., 1981.

My commission expires My Commission Expires July 12, 1982

Notary Public

Number of this permit A-36-AB-S-3

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the detriment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of _____ wells be complied with; and further subject to the following conditions:

1. The total amount of water diverted from all sources combined shall not exceed 79.5 acre-feet per annum measured at the wells under this permit.

2. The total amount of water diverted from all sources combined shall be measured by totalizing meters of a type approved by and installed in a manner and at locations acceptable to the State Engineer.

3. Records of the amount of water diverted during the preceding calendar month shall be submitted to the State Engineer District III Supervisor, P. O. Box 844, Deming, New Mexico 88031-0844 on or before the 30th day of the following month.

Proof of completion of well shall be filed on or before April 30, 19 82

Proof of application of water to beneficial use shall be filed on or before _____, 19 _____

Witness my hand and seal this 15th day of January, A.D., 19 82.

S. E. Reynolds, State Engineer

By: _____.

J. B. Nixon, Engineer
Water Rights Bureau

INSTRUCTIONS

This form shall be executed, preferably typewritten, in triplicate and shall be accompanied by a filing fee of $5.00. Each of triplicate copies must be properly signed and attested.

A separate application for permit must be filed for each well used.

Secs. 1–4—Fill out all blanks fully and accurately.

Sec. 5—Irrigation use shall be stated in acre feet of water per acre per annum to be applied on the land. If for municipal or other purposes, state total quantity in acre feet to be used annually.

Sec. 6—Describe only the lands to be irrigated or where water will be used. If on unsurveyed lands describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily located natural object.

Sec. 7—If lands are irrigated from any other source, explain in this section. Give any other data necessary to fully describe water right sought.

(Well #7)

Revised August 1967

096680 D - $5.00

'81 AUG 31 IMPORTANT: READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

STATE ENGINEER OFFICE
DISTRICT III
DEMING, N. MEX.

SUPPLEMENTAL APPLICATION FOR PERMIT

To Appropriate the Underground Waters of the State of New Mexico

Date Received August 31, 1981 File No. A-36-AB-S-5

1. Name of applicant Burgett Investment, Inc.; Thermal Power Associates & ~~Harriet Green~~
   Mailing address Star Route, Box 265A
   City and State Animas, New Mexico 88020
2. Source of water supply shallow water aquifer, located in ANIMAS VALLEY UNDERGROUND WATER BASIN
   (artesian or shallow water aquifer) (name of underground basin)
3. The well is to be located in the SW ¼ SW ¼ NE ¼, Section 7 Township 25 South
   Range 19 West N.M.P.M., or Tract No. ____ of Map No. ____ of the ____ District,
   on land owned by Thermal Power Associates.
4. Description of well: name of driller Burgett;
   Outside Diameter of casing 10 inches; Approximate depth to be drilled 1500 feet;
5. Quantity of water to be appropriated and beneficially used 79.5 acre feet, per annum
   (~~consumptive use~~, diversion)
   for supplemental geothermal uses & irrigation within greenhouses & related purposes.
6. Acreage to be irrigated or place of use ____ acres.

Subdivision	Section	Township	Range	Acres	Owner

For supplemental appropriation of shallow groundwater not to exceed 79.5 acre-feet per annum from all combined sources measured at the wells for geothermal uses and irrigation within greenhouses and related purposes located in the SW¼NE¼ & NW¼SE¼ of Section 7, Township 25 South, Range 19 West.

7. Additional statements or explanations Water from Well No. A-36-AB-S-5 will be commingled with water from wells numbered as follows:

WELL NO.	SUBDIVISION	SECTION	TOWNSHIP	RANGE
A-36-A	located in the SE¼SW¼NE¼	7	25 S	19 W
A-36-B	located in the SE¼SW¼NE¼	7	25 S	19 W
A-36-AB-S	located in the SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-2	located in the SE¼NE¼SE¼	7	25 S	19 W
A-36-AB-S-3	located in the SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-4	located in the SE¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-6	to be located in the NW¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-7	to be located in the NE¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-8	to be located in the SW¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-9	to be located in the SE¼SE¼NW¼	7	25 S	19 W

We, Burgett Investment, Inc.; Thermal Power Associates & ~~Harriet Green~~, affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

~~Harriet Green~~, Permittee

Burgett Investment, Inc., Permittee, Thermal Power Associates, Permittee

By: Del Burgett Pres. By: [illegible]

Subscribed and sworn to before me this 22 day of August, A.D., 1981.

My commission expires My Commission Expires July 12, 1982

Notary Public

Number of this permit A-36-AB-S-5

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the detriment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of _____ wells be complied with; and further subject to the following conditions:

1. The total amount of water diverted from all sources combined shall not exceed 79.5 acre-feet per annum measured at the wells under this permit.

2. The total amount of water diverted from all sources combined shall be measured by totalizing meters of a type approved by and installed in a manner and at locations acceptable to the State Engineer.

3. Records of the amount of water diverted during the preceding calendar month shall be submitted to the State Engineer District III Supervisor, P. O. Box 844, Deming, New Mexico 88031-0844 on or before the 30th day of the following month.

Proof of completion of well shall be filed on or before April 30, 19 82

Proof of application of water to beneficial use shall be filed on or before _____, 19 _____

Witness my hand and seal this 15th day of January, A.D., 19 82.

S. E. Reynolds, State Engineer

By: _____.
J. B. Nixon, Engineer
Water Rights Bureau

INSTRUCTIONS

This form shall be executed, preferably typewritten, in triplicate and shall be accompanied by a filing fee of $5.00. Each of triplicate copies must be properly signed and attested.

A separate application for permit must be filed for each well used.

Secs. 1–4—Fill out all blanks fully and accurately.

Sec. 5—Irrigation use shall be stated in acre feet of water per acre per annum to be applied on the land. If for municipal or other purposes, state total quantity in acre feet to be used annually.

Sec. 6—Describe only the lands to be irrigated or where water will be used. If on unsurveyed lands describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily located natural object.

Sec. 7—If lands are irrigated from any other source, explain in this section. Give any other data necessary to fully describe water right sought.

'81 AUG 31 PM 4 33

(Well #6)

Revised August 1967

096680 D - $5.00

IMPORTANT—READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

STATE ENGINEER OFFICE
DISTRICT III
ALBUQUERQUE, N. MEX.

SUPPLEMENTAL APPLICATION FOR PERMIT

To Appropriate the Underground Waters of the State of New Mexico

Date Received August 31, 1981 File No. A-36-AB-S-4

1. Name of applicant Burgett Investment, Inc.; Thermal Power Associated ~~& Harriet Green~~
   Mailing address Star Route, Box 265A
   City and State Animas, New Mexico 88020
2. Source of water supply shallow water aquifer, located in ANIMAS VALLEY UNDERGROUND WATER BASIN
   (artesian or shallow water aquifer) (name of underground basin)
3. The well is ~~to be~~ located in the SE ¼ SW ¼ NE ¼, Section 7 Township 25 South
   Range 19 West N.M.P.M., or Tract No. ____ of Map No. ____ of the ____ District,
   on land owned by Thermal Power Associates.
4. Description of well: name of driller ____;
   Outside Diameter of casing 12 inches; ~~Approximate~~ depth ~~to be~~ drilled ____ feet;
5. Quantity of water to be appropriated and beneficially used 79.5 acre feet, per annum
   (consumptive use, diversion)
   for supplemental geothermal uses & irrigation within greenhouses & related purposes.
6. Acreage to be irrigated or place of use ____ acres.

Subdivision	Section	Township	Range	Acres	Owner

For supplemental appropriation of shallow ground water not to exceed 79.5 acre-feet per annum from all combined sources measured at the wells for geothermal uses and irrigation within greenhouses and related purposes located in the SW¼NE¼ & NW¼SE¼ of Section 7, Township 25 South, Range 19 West.

7. Additional statements or explanations Water from Well No. A-36-AB-S-4 will be commingled with water from wells numbered as follows:

WELL NO.		SUBDIVISION	SECTION	TOWNSHIP	RANGE
A-36-A	located in the	SE¼SW¼NE¼	7	25 S	19 W
A-36-B	located in the	SE¼SW¼NE¼	7	25 S	19 W
A-36-AB-S	located in the	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-2	located in the	SE¼NE¼SE¼	7	25 S	19 W
A-36-AB-S-3	located in the	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-5	to be located in the	SW¼SW¼NE¼	7	25 S	19 W
A-36-AB-S-6	to be located in the	NW¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-7	to be located in the	NE¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-8	to be located in the	SW¼NW¼SE¼	7	25 S	19 W
A-36-AB-S-9	to be located in the	SE¼SE¼NW¼	7	25 S	19 W

This proposed well under this application is an existing well not on record with the State Engineer Office.

We, Burgett Investment, Inc.; Thermal Power Associate ~~& Harriet Green~~, affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

~~Harriet Green~~ Permittee

Burgett Investment, Inc., Permittee, Thermal Power Associates Permittee

By: Dale Burgett Pres. By: D.H. McDonald, Pres.

Subscribed and sworn to before me this 22nd day of August, A.D., 1981.

My commission expires My Commission Expires July 12, 1982

Notary Public

Number of this permit A-36-AB-S-4

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the detriment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of _____ wells be complied with; and further subject to the following conditions:

1. The total amount of water diverted from all sources combined shall not exceed 79.5 acre-feet per annum measured at the wells under this permit.

2. The total amount of water diverted from all sources combined shall be measured by totalizing meters of a type approved by and installed in a manner and at locations acceptable to the State Engineer.

3. Records of the amount of water diverted during the preceding calendar month shall be submitted to the State Engineer District III Supervisor, P. O. Box 844, Deming, New Mexico 88031-0844 on or before the 30th day of the following month.

Proof of completion of well shall be filed on or before April 30, 19 82

Proof of application of water to beneficial use shall be filed on or before _____, 19 _____

Witness my hand and seal this 15th day of January, A.D., 19 82.

S. E. Reynolds, State Engineer

By: _____.

J. B. Nixon, Engineer
Water Rights Bureau

INSTRUCTIONS

This form shall be executed, preferably typewritten, in triplicate and shall be accompanied by a filing fee of $5.00. Each of triplicate copies must be properly signed and attested.

A separate application for permit must be filed for each well used.

Secs. 1–4—Fill out all blanks fully and accurately.

Sec. 5—Irrigation use shall be stated in acre feet of water per acre per annum to be applied on the land. If for municipal or other purposes, state total quantity in acre feet to be used annually.

Sec. 6—Describe only the lands to be irrigated or where water will be used. If on unsurveyed lands describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily located natural object.

Sec. 7—If lands are irrigated from any other source, explain in this section. Give any other data necessary to fully describe water right sought.

'81 AUG 31 PM 4 34

#11 #3

Revised August 1967

096680 D - $5.00

IMPORTANT—READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

STATE ENGINEER OFFICE
DISTRICT III
DEMING, N. MEX.

SUPPLEMENTAL

APPLICATION FOR PERMIT

To Appropriate the Underground Waters of the State of New Mexico

Date Received August 31, 1981 File No. A-36-AB-S

1. Name of applicant Burgett Investment, Inc; Thermal Power Associates & ~~Harriet Green~~
   Mailing address Star Route, Box 265 A
   City and State Animas, New Mexico 88020
2. Source of water supply shallow water aquifer, located in Animas Valley Underground Water Basin
   (artesian or shallow water aquifer) (name of underground basin)
3. The well is ~~to be~~ located in the SW ¼ SW ¼ NE ¼, Section 7 Township 25 South
   Range 19 West N.M.P.M., or Tract No. ____ of Map No. ____ of the ____ District,
   on land owned by Thermal Power Associates.
4. Description of well: name of driller Burgett;
   Outside Diameter of casing 3 inches; ~~Approximate~~ depth ~~to be~~ drilled 117 feet;
5. Quantity of water to be appropriated and beneficially used 79.5 acre feet, per annum
   (consumptive use, diversion)
   for Supplemental Geothermal uses & Irrigation within greenhouse & related purposes.
6. Acreage to be irrigated or place of use ____ acres.

Subdivision	Section	Township	Range	Acres	Owner

For supplemental appropriation of shallow ground water not to exceed 79.5 acre feet per annum from all combined sources measured at the wells for Geothermal uses and Irrigation within greenhouses and related purposes located in the SW¼NE¼ & NW¼SE¼ of Section 7, Township 25 South, Range 19 West.

7. Additional statements or explanations water from Well No. A-36-AB-S will be commingled with water from wells numbered as follows:

WELL NO.		SUBDIVISION	SECTION	TOWNSHIP	RANGE
A-36-A	located in the	SE¼SW¼NE¼	7	25 S.	19 W.
A-36-B	located in the	SE¼SW¼NE¼	7	25 S.	19 W.
A-36-AB-S-2	located in the	SE¼NE¼SE¼	7	25 S.	19 W.
A-36-AB-S-3	located in the	SW¼SW¼NE¼	7	25 S.	19 W.
A-36-AB-S-4	located in the	SE¼SW¼NE¼	7	25 S.	19 W.
A-36-AB-S-5	to be located in the	SW¼SW¼NE¼	7	25 S.	19 W.
A-36-AB-S-6	to be located in the	NW¼NW¼SE¼	7	25 S.	19 W.
A-36-AB-S-7	to be located in the	NE¼NW¼SE¼	7	25 S.	19 W.
A-36-AB-S-8	to be located in the	SW¼NW¼SE¼	7	25 S.	19 W.
A-36-AB-S-9	to be located in the	SE¼SE¼NW¼	7	25 S.	19 W.

This well is an existing well drilled under Test Well Permit No. A-384

We, Burgett Investment, Inc.; Thermal Power Associates & ~~Harriet Green~~, affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

~~Harriet Green~~

Burgett Investment, Inc. Permittee, Thermal Power Associates

By: Dal Burgett Pres. By: D. McDonald, Pres.

Subscribed and sworn to before me this 23rd day of September A.D., 19 81.

My commission expires My Commission Expires July 14, 1982

Notary Public

Number of this permit A-36-AB-S

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the detriment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of _____ wells be complied with; and further subject to the following conditions:

1. The total amount of water diverted from all sources combined shall not exceed 79.5 acre-feet per annum measured at the wells under this permit.

2. The total amount of water diverted from all sources combined shall be measured by totalizing meters of a type approved by and installed in a manner and at locations acceptable to the State Engineer.

3. Records of the amount of water diverted during the preceding calendar month shall be submitted to the State Engineer District III Supervisor, P. O. Box 844, Deming, New Mexico 88031-0844 on or before the 30th day of the following month.

Proof of completion of well shall be filed on or before April 30, 19 82

Proof of application of water to beneficial use shall be filed on or before _____, 19 _____

Witness my hand and seal this 15th day of January, A.D., 19 82.

S. E. Reynolds, State Engineer

By: J. B. Nixon

J. B. Nixon, Engineer
Water Rights Bureau

INSTRUCTIONS

This form shall be executed, preferably typewritten, in triplicate and shall be accompanied by a filing fee of $5.00. Each of triplicate copies must be properly signed and attested.

A separate application for permit must be filed for each well used.

Secs. 1–4—Fill out all blanks fully and accurately.

Sec. 5—Irrigation use shall be stated in acre feet of water per acre per annum to be applied on the land. If for municipal or other purposes, state total quantity in acre feet to be used annually.

Sec. 6—Describe only the lands to be irrigated or where water will be used. If on unsurveyed lands describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily located natural object.

Sec. 7—If lands are irrigated from any other source, explain in this section. Give any other data necessary to fully describe water right sought.

Revised August 1980

80 D - $5.00

'81 AUG 31 PM 4 35

IMPORTANT - READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

STATE ENGINEER OFFICE
DISTRICT III
DEMING, N. MEX.

SUPPLEMENTAL APPLICATION FOR PERMIT

To Appropriate the Underground Waters of the State of New Mexico

Date Received August 31, 1981 File No. A-36-AB-S-2

1. Name of applicant Burgett Investmen, Inc.; Thermal Power Associates & ~~Harriet Green~~
   Mailing address Star Route, Box 265 A
   City and State Animas, New Mexico 88020
2. Source of water supply shallow water aquifer (artesian or shallow water aquifer), located in Animas Valley Underground Water Basin (name of underground basin)
3. The well is ~~to be~~ located in the SE ¼ NE ¼ SE ¼, Section 7 Township 25 South Range 9 West N.M.P.M., or Tract No. ____ of Map No. ____ of the ____ District, on land owned by Harriet Green
4. Description of well: name of driller Auburn I. Wright; Outside Diameter of casing ____ inches; ~~Approximate~~ depth ~~to be~~ drilled 110 feet;
5. Quantity of water to be appropriated and beneficially used 79.5 acre feet, Per annum for Supplemental Geothermal uses & Irrigation within Greenhouses & related (consumptive use, diversion) purposes.
6. Acreage to be irrigated or place of use ____ acres.

Subdivision	Section	Township	Range	Acres	Owner

For supplemental appropriation of shallow ground water not to exceed 79.5 acre feet per annum from all combined sources measured at the wells for Geothermal uses and Irrigation within greenhouses and related purposes located in the SW¼NE¼ & NW¼SE¼ of Section 7, Township 25 South, Range 19 West

7. Additional statements or explanations Water from Well No. A-36-AB-S-2 will be commingled with water from Wells numbered as follows:

WELL NO.		SUBDIVISION	SECTION	TOWNSHIP	RANGE
A-36-A	located in the	SE¼SW¼NE¼	7	25 S.	19 W.
A-36-B	located in the	SE¼SW¼NE¼	7	25 S.	19 W.
A-36-AB-8	located in the	SW¼SW¼NE¼	7	25 S.	19 W.
A-36-AB-S-3	located in the	SW¼SW¼NE¼	7	25 S.	19 W.
A-36-AB-S-4	located in the	SE¼SW¼NE¼	7	25 S.	19 W.
A-36-AB-S-5	to be located in the	SW¼SW¼NE¼	7	25 S.	19 W.
A-36-AB-S-6	to be located in the	NW¼NW¼SE¼	7	25 S.	19 W.
A-36-AB-S-7	to be located in the	NE¼NW¼SE¼	7	25 S.	19 W.
A-36-AB-S-8	to be located in the	SW¼NW¼SE¼	7	25 S.	19 W.
A-36-AB-S-9	to be located in the	SE¼SE¼NW¼	7	25 S.	19 W.

This well is an existing well drilled under Test Well Permit No. A-385.

We, Burgett Investment, Inc.; Thermal Power Associates & ~~Harriet Green~~, affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

~~Harriet Green~~

Burgett Investment, Inc., Permittee, THERMAL POWER ASSOCIATES

By: Dal Burgett Pres. By: D.H. McDonald, Pres.

Subscribed and sworn to before me this 2nd day of Sept A.D., 19 81.

My commission expires My Commission Expires July 12, 1982

Notary Public

READ INSTRUCTIONS ON BACK

Revised March 1972

APPLICATION TO APPROPRIATE UNDERGROUND WATERS 68020 D - $1.00
IN ACCORDANCE WITH SECTION 75-11-1 NEW MEXICO STATUTES

1. Name and Address of Applicant:

File No. A-378

Burgett Investment
% Dale Burgett
P. O. Box 265-A
Animas, New Mexico 88020

2. Describe well location under one of the following subheadings:

a. SE ¼ ~~NW~~ SW ¼ ~~SE~~ NE ¼ of Sec. 7 Twp. 25 S Rge. 19 W N. M. P. M., in Hidalgo County.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____ Subdivision, recorded in _____ County.

d. X = _____ feet, Y = _____ feet, N. M. Coordinate System _____ Zone in the _____ Grant.

e. Give street address or route and box No. of property upon which well is to be located, or location by direction and distance from known landmarks _____

3. Approximate depth (if known) Existing well feet; outside diameter of casing _____ inches.

Name of driller (if known) Unknown

4. Use of water (check appropriate box or boxes):

- [X] Household, non-commercial trees, lawn and garden not to exceed 1 acre.
- [ ] Livestock watering.
- [X] Drinking and sanitary purposes and the irrigation of non-commercial trees, shrubs and lawns in conjunction with a commercial operation.
- [ ] Prospecting, mining or drilling operations to discover or develop natural resources.
- [ ] Construction of public works, highways and roads.

If any of the last three were marked, give name and nature of business under Remarks. (Item 5)

5. Remarks: This is an existing well not on record with the State Engineer.
This is existing well A-36-B

I, Dale Burgett, affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

Burgett Investment, Applicant

By: Dale Burgett Date: Feb 28, 1978

ACTION OF STATE ENGINEER

This application is approved for the use indicated, subject to all general conditions and to the specific conditions numbered 4 & 5a on the reverse side hereof. This permit will automatically expire unless this well is drilled or driven and the well record filed on or before Completed.

S. E. Reynolds, State Engineer

By: L. T. Putnam
Supervisor, District III

Date: February 28, 1978

File No. A-378

GENERAL CONDITIONS OF APPROVAL

A. The maximum amount of water that may be appropriated under this permit is 3 acre feet in any calendar year.

B. The well shall be drilled only by a driller licensed in the State of New Mexico in accordance with Section 75-11-13 New Mexico Statutes Annotated. A licensed driller shall not be required for the construction of a driven well; provided, that the casing shall not exceed two and three-eights (2 3/8) inches outside diameter (Section 75-11-13).

C. Driller's log must be filed in the office of the State Engineer within 10 days after the well is drilled or driven. Failure to file the log within that time shall result in automatic cancellation of the permit. Log forms will be provided by the State Engineer upon request.

D. The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.

E. If the well under this permit is used at any time to serve more than one household, livestock in a commercial feed lot operation, or any other commercial purpose, the permittee shall comply with Specific Conditon of Approval number 5(b).

F. In the event this well is combined with other wells permitted under Section 75-11-1 New Mexico Statutes Annotated, the total outdoor use shall not exceed the irrigation of one acre of non-commercial trees, lawn, and garden, or the equivalent outside consumptive use, and the total appropriation for household and outdoor use from the entire water distribution system shall not exceed 3 acre feet per annum.

SPECIFIC CONDITIONS OF APPROVAL

(Applicable only when so indicated on the other side of this form.)

1. Depth of the well shall not exceed the thickness of the (a) the valley fill or (b) Ogallala formation.
2. The well shall be constructed to artesian well specifications and the State Engineer Office shall be notified before casing is landed or cemented.
3. Appropriation and use of water under this permit shall not exceed a period of one year from the date of approval.
4. Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.
5. A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the State Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water and pumping records shall be submitted to the District Supervisor (a) for each calendar month, on or before the 30th day of the following month (b) on or before the 10th of January, April, July and October of each year for the three preceding calendar months (c) for each calendar year on or before the 30th day of January of the following year.
6. The well shall be plugged upon completion of the permitted use and a plugging report shall be filed in the office of the State Engineer within 10 days.
7. Final approval for the use of the well shall be dependent upon a leakage test made by the State Engineer Office.
8. Use shall be limited strictly to household and/or drinking and sanitary purposes; water shall be conveyed from the well to the place of use in closed conduit and the effluent returned to the underground so that it will not appear on the surface. No irrigation of lawns, garden, trees or use in any type of pool or pond is authorized under this permit.

INSTRUCTIONS

The application shall be made in the name of the actual user of the well for the purpose specified in the application.

The application shall be executed in triplicate and forwarded with a $1.00 filing fee to the appropriate office of the State Engineer.

A separate application must be filed for each well to be drilled or used.

If well to be used is an existing well, an explanation (and file number, if possible) should be given under Remarks. (Item 5.)

Applications for appropriation, well logs and request for information in the following basins should be addressed to the State Engineer at the office indicated;

Bluewater, Estancia, Rio Grande, and Sandia Basins
District No. 1, 505 Marquette NW, Room 1023, Albuquerque, New Mexico 87101

Capitan, Carlsbad, Fort Sumner, Hondo, Jal, Lea, Penasco, Portales, Roswell, and Upper Pecos Basins
District No. 2, Box 1717, Roswell, New Mexico 88201

Animas, Gila-San Francisco, Hot Springs, Las Animas Creek, Lordsburg, Mimbres, Nutt-Hockett, Playas, San Simon, and Virden Valley Basins
District No. 3, Box 844, Deming, New Mexico 88030

Canadian River Basin
State Engineer Office, State Capitol, Bataan Memorial Bldg., Santa Fe, New Mexico 87501

T. 25 S.

R. 20 W. | R. 19 W.

Well A-431 Reinjection Well

Metal Storage Bldg.

Trailer

Dry Hole

Deep Well

Mini Bldg.

Lined Pond

Well A

Well B

Well C

Well D

Well E

Well F

Metal Bldg.

Office

Shop

Sto.

Lined Pond

160' x 160' Conc. Pond

Greenhouse #1 — 400' x 180'

Greenhouse #2 — 420' x 347'

Greenhouse #3 — 422' x 335'

Greenhouse #6 — 427' x 353'

Greenhouse #7 — 852' x 453'

Greenhouse #8 Under Cond. — 427' x 453'

Greenhouse #9 Under Cond. — 427' x 353'

408' x 169'

400' x 163'

Home with swimming pool Equiped for Heated Water but not being used-

NOTES:

- Geothermal Wells in Use
- Geothermal Wells not used
- Cold Water Wells
- Deep Well by OThers (Capad)
- Wells used To heat trailers — (Test holes)
- Wells not used (Test holes)

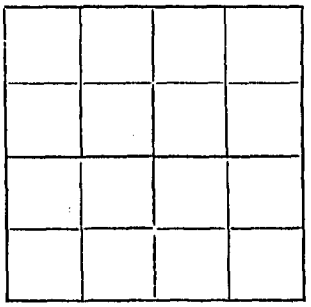
Burget Geothermal Greenhouses Inc
Box 1265-A
Animas, NM 88020

STATE ENGINEER OFFICE

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the 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 Sid Wright

Street and Number Box 260

City Cotton City State New Mexico

Well was drilled under Permit No. A-58-S and is located in the SE ¼ SE ¼ NW ¼ of Section 10 Twp. 23 S. Rge. 20 W.

(B) Drilling Contractor Jim McBee License No. WD-449

Street and Number P. O. Box 462

City Gallup State Arizona 86301

Drilling was commenced April 1, 1970 19

Drilling was completed April 7, 1970 19

Elevation at top of casing in feet above sea level 1' Total depth of well 226'

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

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	70	150	80	Gravel and sand
2	170	210	40	Gravel and sand
3				
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
16	42		0	226	226	none	70	226

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 July 14, 1970

File No. A-383 Use Irrigation Location No. 23.20.1.344 A

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	15	15	brown	top soil
15	70	55	brown	sand and streaks of clay
70	150	80	brown	gravel and sand
150	170	20	brown	gravel and streaks of clay
170	210	40	brown	gravel and sand
210	226	16	blue	clay

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Well Driller

Revised August 1967

AM 9 13

IMPORTANT--READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

39425 D - $ 5.00

OFFICE
DEMING, N. MEX.

APPLICATION FOR PERMIT TO COMBINE

To Appropriate the Underground Waters of the State of New Mexico

Date Received April 30, 1971 File No. A-51, A-53 & A-54-Combined

1. Name of applicant Sidney O. Wright
   Mailing address Box 246,
   City and State Animas, New Mexico 88020
2. Source of water supply shallow water aquifer, located in ANIMAS VALLEY UNDERGROUND WATER BASIN
   (artesian or shallow water aquifer) (name of underground basin)
3. The well is to be located in the ¼ ¼ ¼, Section Township
   See Item 7 below.
   Range N.M.P.M., or Tract No. of Map No. of the District,
   on land owned by .
4. Description of well: name of driller ;
   Outside Diameter of casing inches; Approximate depth to be drilled feet;
5. Quantity of water to be appropriated and beneficially used 1349.388 acre feet,
   (~~consumptive use~~ diversion)
   for irrigation purposes.
6. Acreage to be irrigated or place of use 449.796 acres.

FILE:	Subdivision	Section	Township	Range	Acres	Owner
A-51	NW¼; Pt. N½N½SW¼	14	25 S.	20 W.	154.296	S.O.Wright & Federal Land Bank
A-53 & A-54	Part S½	14	25 S.	20 W.)		
	Part N½N½	23	25 S.	20 W.)	295.500	S. O. Wright

7. Additional statements or explanations Water from Wells Nos. A-51, A-53, A-53-S and A-54 located respectively in the NE¼SW¼NW¼ of Section 14, in the SE¼SE¼NE¼ of Section 10, in the SE¼SE¼NE¼ of Section 10 and in the SW¼SW¼NE¼ of Section 10, all in Township 25 South, Range 20 West, N.M.P.M., ~~and~~ are commingled for the combined irrigation of the above described 449.796 acres of land.

Water from Wells Nos. A-53, A-53-S and A-54 is transported by plastic pipeline from Section 10 to Section 14, Township 25 South, Range 20 West, N.M.P.M.

I, Sidney O. Wright, affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

Sidney O. Wright, Permittee,

By: .

Subscribed and sworn to before me this 30th day of April, A.D., 1971.

My commission expires March 13, 1973

Notary Public

Number of this permit A-51, A-53 & A-54-Combined

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the detriment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of _____ wells be complied with; and further subject to the following conditions: 1. Only the 449.796 acres of land having water rights to be irrigated in this combined permit.

2. Appropriation of water from wells Nos. A-51, A-53, A-53-S and A-54 shall be limited at all times to a maximum of 3 acre feet per acre per annum measured at the wells.

Proof of completion of well shall be filed on or before _____, 19____

Proof of application of water to beneficial use shall be filed on or before April 30, 19 72

Witness my hand and seal this 11th day of June, A.D., 19 71.

S. E. Reynolds, State Engineer

By: _____

J. B. Nixon, Engineer
Water Rights Division

INSTRUCTIONS

This form shall be executed, preferably typewritten, in triplicate and shall be accompanied by a filing fee of $5.00. Each of triplicate copies must be properly signed and attested.

A separate application for permit must be filed for each well used.

Secs. 1–4—Fill out all blanks fully and accurately.

Sec. 5—Irrigation use shall be stated in acre feet of water per acre per annum to be applied on the land. If for municipal or other purposes, state total quantity in acre feet to be used annually.

Sec. 6—Describe only the lands to be irrigated or where water will be used. If on unsurveyed lands describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily located natural object.

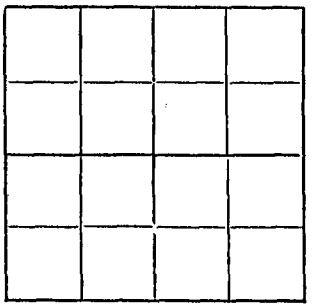
Sec. 7—If lands are irrigated from any other source, explain in this section. Give any other data necessary to fully describe water right sought.

STATE ENGINEER OFFICE

WELL RECORD

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

...ction 1



(Plat of 640 acres)

(A) Owner of well Sidney O. Wright

Street and Number Box 246

City Animas State New Mexico 88020

Well was drilled under Permit No. A-51 and is located in the NE ¼ SW ¼ NW ¼ of Section 14 Twp. 25 S. Rge. 20 W.

(B) Drilling Contractor Verlon & O. L. Hilburn License No. WD-444

Street and Number Box 266

City Hatch State New Mexico

Drilling was commenced May 15 19 68

Drilling was completed May 25 19 68

Elevation at top of casing in feet above sea level ..... Total depth of well 275

State whether well is shallow or artesian ..... Depth to water upon completion 70

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	70	130	60	sand and gravel
2	210	235	25	sand and gravel
3				
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
16	42		0	255	255	homemade	60	250

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 June 17, 1968

File No. A-51 Use Irrigation Location No. 25.20.14.132

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	6	6	brown	top soil
6	20	24	"	gravel
30	70	40	"	gravel and clay
70	130	60	"	gravel and sand
130	210	80	"	sandy clay
210	235	25	"	sand and gravel
235	250	15	"	clay
250	275	25	blue	blue clay

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

O. L. H[illegible] (signature)
Well Driller
By Jim M[illegible] (signature)

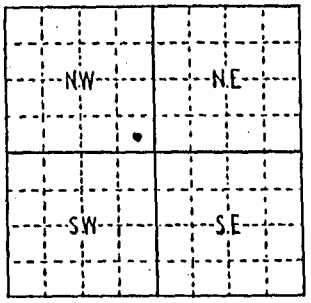
25.20.10.233

WELL RECORD

File No. A-54

INSTRUCTIONS: This form should be typewritten, and filed in the office of the State Engineer, (P.O. Box 1079) Santa Fe, New Mexico, unless the well is situated in the Roswell Artesian Basin, in which case it should be filed in the office of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 should be answered only if an old artesian well has been plugged. All other sections should be answered in full in every case, regardless of whether the well drilled is shallow or artesian in character. This report must be subscribed and sworn to before a Notary Public.

Sec. 1



(Plat of 640 acres)
Locate Well Accurately

Owner of well Bishop Brothers
Street and Number
Post Office Lordsburg, New Mexico
Well was drilled under Permit No. xx-15 and
is located in the ¼ SE ¼ NE ¼ of Section 10
Township 25 S, Range 20 W
Drilling Contractor Morrison Drilling Co.
Street and Number 3100 Ft. Blvd.
Post Office El Paso, Texas

Drilling was commenced Dec. 30 1948 Drilling was completed Jan 5 1949
Elevation at top of casing in feet above sea level
State whether well is shallow or artesian Shallow
Total depth of well 170 feet.

Sec. 2 **PRINCIPAL WATER-BEARING STRATA**

No. 1, from 30 to 65, Thickness in feet 35, Formation sand and gravel
No. 2, from 68 to 74, Thickness in feet 6, Formation sand and gravel
No. 3, from 96 to 109, Thickness in feet 13, Formation sand and gravel
No. 4, from 134 to 162, Thickness in feet 28, Formation sand and gravel
No. 5, from 162 to 170, Thickness in feet 8, Formation Clay

Sec. 3 **RECORD OF CASING**

DIAMETER IN INCHES	POUNDS PER FOOT	THREADS PER INCH	NAME OF MANUFACTURER	FEET OF CASING	TYPE OF SHOE	PERFORATED FROM	PERFORATED TO	PURPOSE

Sec. 4 **RECORD OF MUDDING AND CEMENTING**

DIAMETER OF HOLE IN INCHES	NUMBER OF SACKS OF CEMENT	METHODS USED	SPECIFIC GRAVITY OF MUD	TONS OF CLAY USED

Sec. 5 **PLUGGING RECORD OF OLD WELL**

Well is located in the ¼ ¼ ¼ of Section , Township ,
Range Name of plugging contractor
Street and Number Post Office
Tons of clay used Tons of roughage used Type of roughage
Was plugging approved by Artesian Well Supervisor

Cement plugs were placed as follows:

No. 1 was placed at feet Number of sacks of cement used
No. 2 was placed at feet Number of sacks of cement used
No. 3 was placed at feet Number of sacks of cement used
No. 4 was placed at feet Number of sacks of cement used
No. 5 was placed at feet Number of sacks of cement used

(OVER)

A-54

25.20.10.233

Sec. 6

LOG OF WELL

FROM (depth in feet)	TO (depth in feet)	THICKNESS IN FEET	CLASSIFICATION OF FORMATION
0	8	8	clay
8	15	7	sand
15	30	15	clay
30	65	35	sand and gravel
65	68	3	clay
68	74	6	sand and gravel
74	96	22	clay
96	108	12	sand and gravel
108	134	26	clay
134	162	28	sand and gravel
162	170	8	clay

I, Zack Morrison, do solemnly swear that, to the best of my knowledge and belief, the foregoing information is a true and correct record of the well for which report is hereby made, insofar as can be determined from all available records.

SUBSCRIBED AND SWORN TO BEFORE ME this 11 day of May, A.D., 1949.

Signed Zack Morrison

Position Partner

Robert P. Shapleigh

Notary Public

Street and Number

Post Office

ROBERT SHAPLEIGH, Notary Public
In and for El Paso County, Texas
My commission expires June 1, 1949

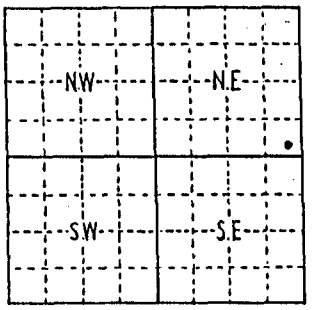
25.20.10.244

WELL RECORD

File No. A-53

INSTRUCTIONS: This form should be typewritten, and filed in the office of the State Engineer, (P.O. Box 1079) Santa Fe, New Mexico, unless the well is situated in the Roswell Artesian Basin, in which case it should be filed in the office of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 should be answered only if an old artesian well has been plugged. All other sections should be answered in full in every case, regardless of whether the well drilled is shallow or artesian in character. This report must be subscribed and sworn to before a Notary Public.

Sec. 1



(Plat of 640 acres)
Locate Well Accurately

Owner of well Bishop Bros.

Street and Number

Post Office Lordsburg, New Mexico

Well was drilled under Permit No. AD-16 and

is located in the SE ¼ SE ¼ NE ¼ of Section 10

Township 25S, Range 20W

Drilling Contractor Morrison Drilling Co.

Street and Number 3100 Ft. Blvd.

Post Office El Paso Texas

Drilling was commenced Jan 10 1949 Drilling was completed Jan 15 1949

Elevation at top of casing in feet above sea level

State whether well is shallow or artesian Shallow

Total depth of well 160 feet.

Sec. 2 **PRINCIPAL WATER-BEARING STRATA**

No. 1, from 32 to 58, Thickness in feet 26, Formation sand and gravel

No. 2, from 64 to 70, Thickness in feet 6, Formation sand and gravel

No. 3, from 90 to 101, Thickness in feet 11, Formation sand and gravel

No. 4, from 128 to 132, Thickness in feet 4, Formation sand and gravel

No. 5, from 132 to 160, Thickness in feet 28, Formation Clay

Sec. 3 **RECORD OF CASING**

DIAMETER IN INCHES	POUNDS PER FOOT	THREADS PER INCH	NAME OF MANUFACTURER	FEET OF CASING	TYPE OF SHOE	PERFORATED FROM	PERFORATED TO	PURPOSE
16	40	P.E.		162		30	160	

Sec. 4 **RECORD OF MUDDING AND CEMENTING**

DIAMETER OF HOLE IN INCHES	NUMBER OF SACKS OF CEMENT	METHODS USED	SPECIFIC GRAVITY OF MUD	TONS OF CLAY USED
			MAR 12 1949	
			ARTESIAN WELL SUPERVISOR ROSWELL, NEW MEXICO	

Sec. 5 **PLUGGING RECORD OF OLD WELL**

Well is located in the ¼ ¼ ¼ of Section , Township ,

Range Name of plugging contractor

Street and Number Post Office

Tons of clay used Tons of roughage used Type of roughage

Was plugging approved by Artesian Well Supervisor

Cement plugs were placed as follows:

No. 1 was placed at feet Number of sacks of cement used

No. 2 was placed at feet Number of sacks of cement used

No. 3 was placed at feet Number of sacks of cement used

No. 4 was placed at feet Number of sacks of cement used

No. 5 was placed at feet Number of sacks of cement used

(OVER)

A-53

25.20.10.244

Sec. 6

LOG OF WELL

FROM (depth in feet)	TO (depth in feet)	THICKNESS IN FEET	CLASSIFICATION OF FORMA
0	6	6	clay
6	12	6	sand and gravel
12	32	20	caliche
32	58	26	sand and gravel
58	64	6	clay
64	70	6	sand and gravel
70	90	20	clay
90	101	11	sand and gravel
101	128	27	clay
127	132	5	sand and gravel
132	160	28	clay

I, Zack Morrison ..... do solemnly swear that, to the best of my knowledge and belief, the foregoing information is a true and correct record of the well for which report is hereby made, insofar as can be determined from all available records.

SUBSCRIBED AND SWORN TO BEFORE ME this 11 day of May, A. D., 1949.

Signed Zack Morrison

Position Partner

Robert P. Shapleigh
Notary Public

ROBERT P. SHAPLEIGH, Notary Public
El Paso County, Texas
My commission expires June 1, 1949

Street and Number .....

Post Office .....

25.20.13.233

FILED
JUL 17 1952
STATE ENGINEER FIELD OFFICE
Deming, N. M.

(This form to be executed in triplicate)

WELL RECORD

Date of Receipt..... Permit No. A-59 & A-60-Combined-S

Name of permittee, L. F. Rudigor

Street or P.O., ..., City and State Animas, New Mexico

1. Well location and description: The shallow (shallow or artesian) well is located in SW ¼, SW ¼, NE ¼ of Section 13, Township 25 South Range 20 West; Elevation of top of casing above sea level, ...feet; diameter of hole, 20 inches; total depth, 145 feet; depth to water upon completion, 55 feet; drilling was commenced May 14, 19 52, and completed May 27, 19 52; name of drilling contractor Nimbres Valley Drilling Co.; Address, Box 566, Deming, N.M.; Driller's License No. WD-31

2. Principal Water-bearing Strata:

	Depth in Feet From	To	Thickness	Description of Water-bearing Formation
No. 1	60	72	12'	Sand & gravel.
No. 2	79	125	46'	Sand & gravel.
No. 3				
No. 4				
No. 5				

3. Casing Record:

Diameter in inches	Pounds per ft.	Threads per inch	Depth of Casing or Liner Top	Depth of Casing or Liner Bottom	Feet of Casing	Type of Shoe	Perforations From	Perforations To
20	65	PE	14'6"	137'6"	123	Home-made	60	135

4. If above construction replaces old well to be abandoned, give location: ¼, ¼, ¼ of Section....., Township....., Range.....; name and address of plugging contractor,

.....

.....

date of plugging....., 19.....; describe how well was plugged: .....

.....

.....

.....

RECEIVED
JUN 9 1952
ARTESIAN WELL SUPERVISOR
ROSWELL, NEW MEXICO

A-59-A
~~A-59-A Co-Combined-S~~

25.20.13.233

5. Log of Well:

Depth in feet From	Depth in feet To	Thickness in feet	Description of Formation
0	33	33	Original hand-dug well.
33	60	22	Sand & gravel.
60	72	12	Sand & gravel. Water.
72	79	7	Sand, gravel & clay balls.
79	125	46	Sand & gravel. Water.
125	145	20	Clay, with a little gravel.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Bacook
D. A. Cook, Partner,
Pecos Valley Drilling Co.
Licensed Well Driller

Instructions

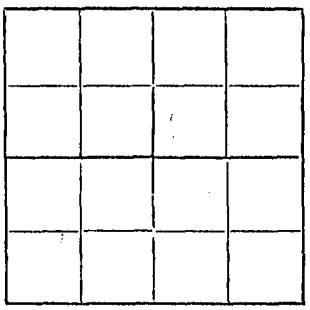
This form shall be executed, preferably typewritten, in triplicate and filed with the State Engineer's Office at Roswell, New Mexico, within 10 days after drilling has been completed. Data on water-bearing strata and on all formations encountered should be as complete and accurate as possible.

WR-23 STATE ENGINEER OFFICE well #22

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 Clarence Rudiger

Street and Number Cotton City

City Animas State New Mex.

Well was drilled under Permit No. A-59-A60 and is located in the SW ¼ SW ¼ NE ¼ of Section 13 Twp. 25S Rge. 20 W

(B) Drilling Contractor Richard Childress License No. WD156

Street and Number Cottage San Road

City Silver City State New Mexico

Drilling was commenced 4-20-66 1966

Drilling was completed 4-30-66 1966

Elevation at top of casing in feet above sea level ..... Total depth of well 600'

State whether well is shallow or artesian Shallow Depth to water upon completion 90'

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	255'	265'	10'	Sand
2				
3	475'	510'	35'	Sand Gravel
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

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 June 21, 1966

A-59-A

~~A-59 & A-60 Combined-A~~

File No. ~~XXXXX~~ Use Irrigation Location No. 25.20.13.233

Deepen

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
150'	255'	105'	Gray	Sand Clay
255'	265'	10'	Gray	Sand
265'	475'	210'	" "	Sand Clay
475'	510'	35'	" "	Cong.
510'	600'	90'	" "	Sandy clay

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Richard P. Wilson
Well Driller

Form WR-23 STATE ENGINEER OFFICE

Wells #13 & 14
25.19.7.344

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 Lee Shannon
Street and Number
City Canutillo State Texas
Well was drilled under Permit No. A-65-A & A-64-Combined and is located in the
SE ¼ SE ¼ SW ¼ of Section 7 Twp. 25 S. Rge. 19 W.
(B) Drilling Contractor Folk Drilling Co. License No. WD-95
Street and Number
City Rodeo State New Mexico
Drilling was commenced March 12 19 51
Drilling was completed March 19 19 51

Elevation at top of casing in feet above sea level ______ Total depth of well 150
State whether well is shallow or artesian artesian Depth to water upon completion 110

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	40	48	8	Sand & gravel
2	120	150	30	Sand & gravel
3				
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
18	32	weld			142	none	45	150

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

RECEIVED
AUG 6 1956
State Engineer District Office

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 August 3, 1956

File No. A-65-A & A-64-Combined Use Irrigation Location No. 25.19.7.344 XXXXXXXXX

Renumbered A-65-A

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	7	7		Surface soil
7	25	18		Clay
25	48	13		Sand & gravel
48	120	72		Clay
120	150	30		Sand & gravel

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

M. L. Tolla

Well Driller

A-65-A & A-64-Comb.-S

25.19.7.133

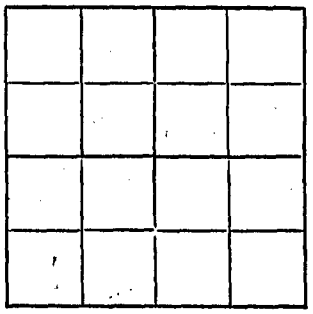
Form WR-23

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 M. L. Folk

Street and Number Route 2

City Animas State New Mexico

Well was drilled under Permit No. A-65-A & A-64-Comb.-S and is located in the

¼ SW ¼ NW ¼ of Section 7 Twp. 25 S. Rge. 19 W

(B) Drilling Contractor Jim McBee License No. WD-81

Street and Number 414 So. Tenth

City Deming State New Mexico

Drilling was commenced May 1 19 59

Drilling was completed May 5 19 59

Elevation at top of casing in feet above sea level ..... Total depth of well 283'

State whether well is shallow or artesian ..... Depth to water upon completion 30'

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				
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
16	42.7		0	283	283	homemade	100'	280'

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

1959 NOV 12 AM 9 23

STATE ENGINEER OFFICE DISTRICT III DEMING, N.M.

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 November 12, 1959

File No. A-65-A & A-64-Comb.-S Use Irrigation Location No. 25.19.7.133

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	10	10	black	top soil
10	50	40	brown	sandy clay ---water 30'
50	70	20	brown	clay
70	115	45	gray	sandy clay
115	120	5	gray	hard shell
120	245	115	gray & brown	sandy clay & hard shell
245	283	38	gray	sandy clay

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Well Driller

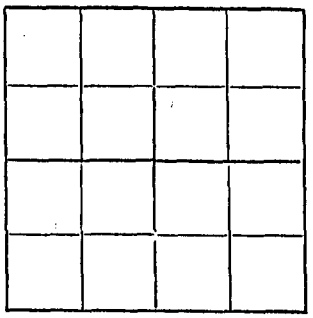
(Well #13)

Form WR-23 STATE ENGINEER OFFICE 25.19.7.342

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 Folk Brothers

Street and Number Route 2

City Animas State New Mexico

Well was drilled under Permit No. A-64 and is located in the NE ¼ SE ¼ SW ¼ of Section 7 Twp. 25 S. Rge. 19 W.

(B) Drilling Contractor Folk Drilling Co. License No. WD-95

Street and Number

City Rodeo State New Mexico

Drilling was commenced January 25 19 54

Drilling was completed 19

Elevation at top of casing in feet above sea level Total depth of well 305

State whether well is shallow or artesian Artesian Depth to water upon completion 30

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	35	40	5	Sand fine gravel
2	90	95	5	Water gravel
3	125	135	10	Water gravel
4	175	265	90	Water sand & gravel
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
16		welded	0	305	305		35	300

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

RECEIVED
AUG 3 1956
State Engineer District Office

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 August 3, 1956

File No. A-64 Use Irrigation Location No. 25.19.7.342

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	35	35		Light brown shale
35	40	5		Sand & fine gravel water
40	80	40		Sand gravel clay breaks
80	105	25		Sand gravel
105	175	80		Gravel & clay breaks
175	265	90		Sand & gravel. Water
265	290	25		Clay & sand
290	305	15		Clay & gravel

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

M. L. Folk

Well Driller