

Evergreen PIT App.  
Denied

Facility 119007  
Document 2315613

# STATE OF COLORADO

## OIL & GAS CONSERVATION COMMISSION

Department of Natural Resources  
1580 Logan Street, Suite 380  
Denver, Colorado 80203  
Phone: (303) 894-2100  
FAX: (303) 894-2109

Garcia 14-30 = Facility ID: 119007  
Ozzello 42-1 = Facility ID: 112915  
Taylor 44-1 = Facility ID: 113606  
119015



DEPARTMENT OF  
NATURAL  
RESOURCES

May 11, 1994

Mr. Thomas Hemler  
Evergreen Operating Corporation  
1512 Larimer St., Suite 1000  
Denver, Colorado 80202

Roy Romer  
Governor

Ken Salazar  
Executive Director

Richard T. Griebing  
Director

Brian J. Macke  
Deputy Director

Patricia C. Beaver  
Technical Secretary

RE: APPLICATION FOR THREE PRODUCTION EVAPORATION PITS,  
SW/SE/SE SEC. 1-T33S-R66W, SE/SE/NE SEC. 1-T33S-R66W,  
NE/SW/SW SEC.10-T32S-R65W, LAS ANIMAS COUNTY, COLORADO.

Dear Mr. Hemler:

Your production pit application dated April 15, 1994 is denied. The primary reason for not approving this application is that the surface area for the pits is not large enough to evaporate the produced water.

In your application you estimate the production from each well to be 20 barrels per day. The average evaporation rate in your area is estimated to be 45 inches of water per year. Therefore an evaporation pit of sufficient size to accommodate the 20 barrels per day would need a surface area of not less than 10,773 square feet (roughly 104' x 104'). The three pits you have range from 3162 square feet to 4120 square feet and average 3702 square feet, a little over 30 percent of the necessary surface area.

Other reasons for denial:

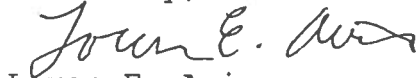
1. Numerous domestic water wells in the area which are at risk of contamination from your produced water, should pit capacity be exceeded. A spill control plan should be included in any future application.
2. Improper handling and documentation of the produced water samples. BETEX (preserved) and TDS (unpreserved) samples should be sealed and chilled to 4°C. Holding time for BTEX 14 days and TDS 7 days. The lab should note that samples were delivered chilled and sealed in their report.
3. The question of water rights for beneficial use of the produced water should be addressed in any future application.

Mr. Thomas Hemler  
Evergreen Operating Corporation  
1512 Larimer St., Suite 1000  
Denver, Colorado 80202

Production Pit Application  
Page 2

I suggest you resubmit the permit addressing the above or seek other disposal options. If you have any questions please call Loren Avis at 894-2100, ext.471.

Sincerely,

A handwritten signature in cursive script, appearing to read "Loren E. Avis".

Loren E. Avis  
Environmental Protection Specialist



Evergreen Operating - Las Animas Co. Colo  
Pit Permit

PROBLEM RESOLUTION CONTACT TRACKING

INITIALS LA DATE 5/11/94 CONTACT Tom Helmer

PROBLEM: Discussed denial of pit will send follow up letter.

INITIALS      DATE    /    /      CONTACT

PROBLEM:

INITIALS      DATE    /    /      CONTACT

PROBLEM:

INITIALS      DATE    /    /      CONTACT

PROBLEM:

INITIALS      DATE    /    /      CONTACT

PROBLEM:

INITIALS      DATE    /    /      CONTACT

PROBLEM:



Facility ID: 119002

RECEIVED

APR 15 1994

STATE OF COLORADO  
OIL AND GAS CONSERVATION COMMISSION  
Department of Natural Resources

COLO. OIL &amp; GAS CONS. COMMISSION

## APPLICATION FOR PERMIT TO USE EARTHEN PIT

1. CHECK ONE Wish to convert reserve pit to evaporative pit.

NEW PIT

EXISTING PIT

RECEPTACLE

OTHER

2. NAME OF OPERATOR

Evergreen Operating Corporation

3. ADDRESS OF OPERATOR

1512 Larimer Street, Suite 1000, Denver, CO 80202

(303) 534-0400

4. LEASE NAME

Garcia #14-30

5. PRODUCING FORMATION(S)

Vermejo

6. PRODUCING OIL, COND., GAS

Gas - Coalbed

7. LOCATION-nearest 10 acres, 1/4 1/4 Sec. T. R.

NE/SW/SW Sec. 10-T32S-R65W

8. COUNTY

Las Animas

9. FIELD NAME

Unnamed

10. SIZE OF PIT(S) or RECEPTACLE

1. Length	50'	Ft. Width	65'	Ft. Depth	7'	Ft. 2. Length	Ft. Width	Ft. Depth	Ft.
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11. CAPACITY

12. ESTIMATED INFLOW

40 BPD declining

13. DISTANCE IN FEET TO CLOSEST  
STEAM, CREEK, POND, IRRIGA-  
TION DITCH

850

Ft.

1. PIT 3000BBLs. 2. PIT

BBLs. to 20 BPD

BBLs/DAY

14. MAXIMUM FLUID LEVEL

ABOVE AVG. GROUND LEVEL

0 Ft.

15. SURFACE SOIL TYPE

Silty sand

16. DISPOSAL OF PIT CONTENT:

EVAPORATION

HAULED (PIT LOC.)

DISPOSAL WELL (LOC.)

17. TYPE OF SEALING MATERIAL (including specifications)

None required, TDs below 5,000 ppm.

18. ADDITIONAL INFORMATION (By attachment include detailed plan and drawing of operation, chemical analysis of produced water, maps, logs, retaining pits or receptacles and other information as may be required by Rules 328 and 329 of the Rules and Regulations of the Oil and Gas Conservation Commission.)

Plat, chemical analyses, topo map, land owner consent attached.

\* ~~This is requested for the period of time until a NPDES Permit may be filed~~

and obtained

19. I HEREBY CERTIFY THAT THE FOREGOING IS TRUE AND CORRECT

Thomas E. Hemler

SIGNED

Thomas E. Hemler

TITLE Prof. Geologist KY826

DATE 1/28/94

THIS SPACE FOR COMMISSION USE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

EVERGREEN OPERATING CORP.

GARCIA NO. 14-30

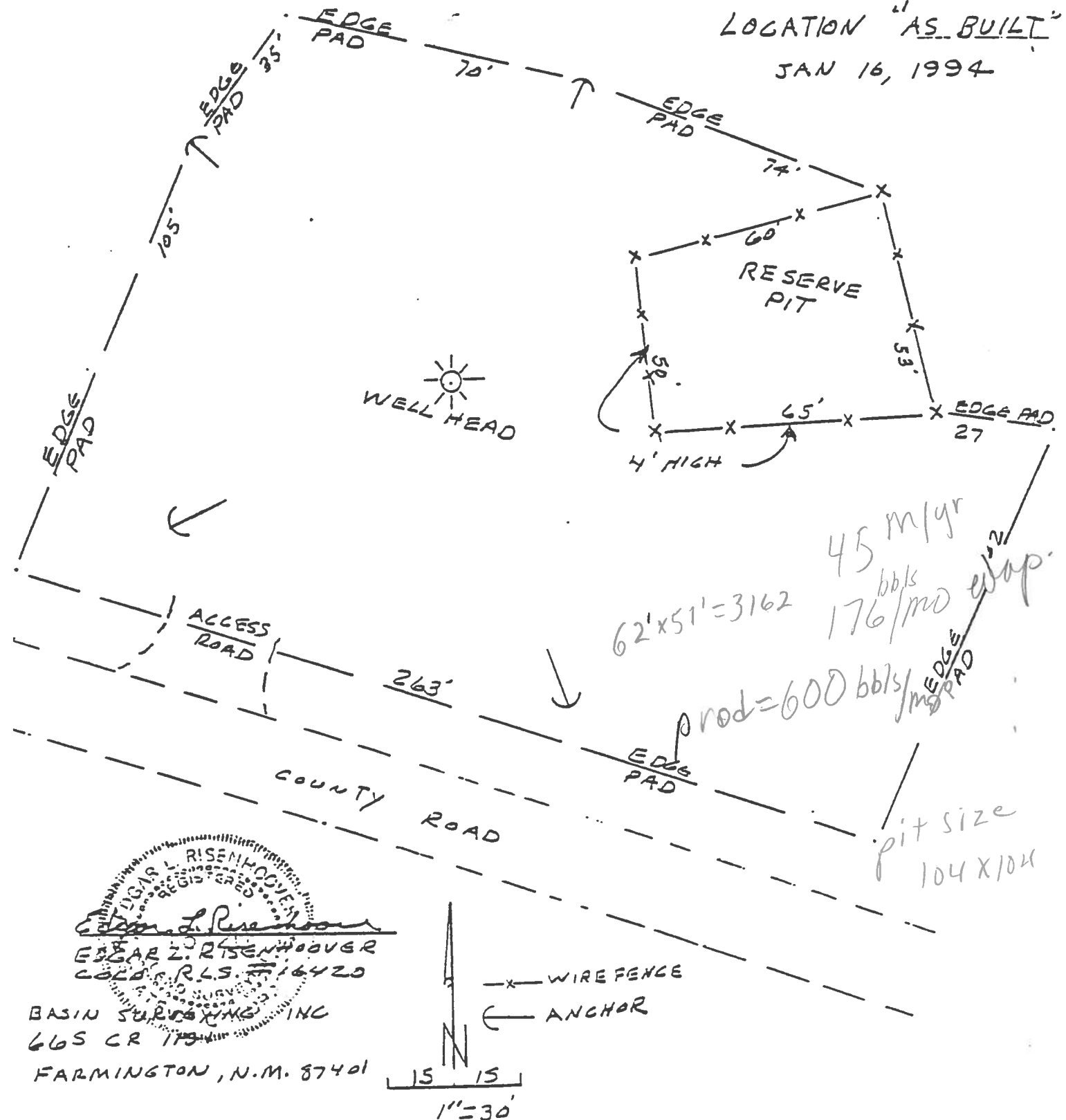
1000' F/SL - 1050' F/WL

SEC. 30, T-32-S, R-65-W, 6<sup>th</sup> PM

LAS ANIMAS CO., COLORADO

LOCATION "AS BUILT"

JAN 16, 1994



EDGAR L. RISENHOOVER  
REGISTERED  
EDGAR L. RISENHOOVER  
COLORADO  
16420

BASIN SURVEYING, INC  
665 CR 175

FARMINGTON, N.M. 87401





# CORE LABORATORIES

14-OCT-93

## ANALYTICAL REPORT FOR

EVERGREEN OPERATING CORPORATION

WELL NAME : GARCIA 14-30

LAB I.D. : 57209-931893-02

TYPE OF WATER..  
FORMATION.....  
DEPTH.....  
LOCATION.....

COUNTY.....  
STATE.....  
DATE SAMPLED... 24-SEP-93  
DATE RECEIVED.. 28-SEP-93

### CONSTITUENTS

CATIONS	mg/L	meq/L	ANIONS	mg/L	meq/L
SODIUM, CALC. (Na)	762	33.2	CHLORIDE (Cl).....	300	8.5
CALCIUM (Ca).....	3.3	0.2	SULFATE (SO4).....	153	3.2
MAGNESIUM (Mg)....	1.7	0.1	BICARBONATE (HCO3)	1310	21.5
IRON (Fe).....	0.1	0.0	CARBONATE (CO3)...	20	0.7
POTASSIUM (K).....	12.3	0.3	HYDROXIDE (OH)....	< 1	0.0

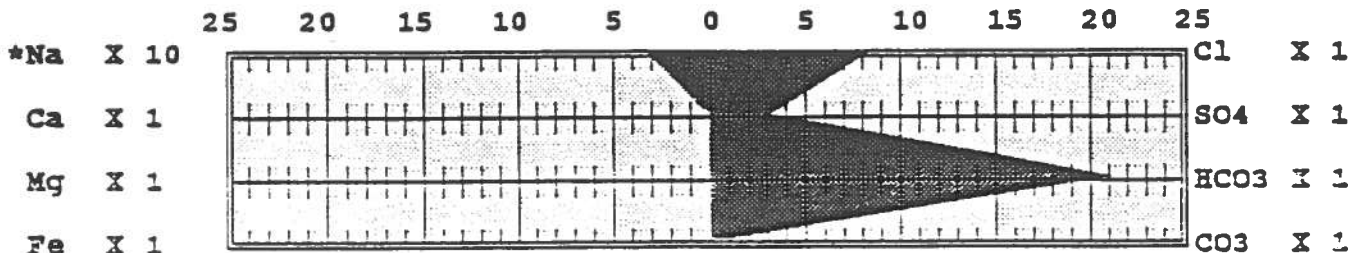
TOTAL DISSOLVED SOLIDS (Calc.)..... 2563 mg/L

Roll 904

HYDROGEN SULFIDE (H2S)..... NEGATIVE

### PHYSICAL PROPERTIES

pH..... 8.59  
SPECIFIC GRAVITY @ 77 Deg. F..... 1.0020  
RESISTIVITY ( OHM-METER ) @ 77 Deg. F..... 3.1



Scale: meq/L

\* Includes Potassium meq



# CORE LABORATORIES

## LABORATORY TESTS RESULTS 11/22/93

JOB NUMBER: 932115 CUSTOMER: EVERGREEN OPERATING CORP. ATTN: TOM HEHLER

CLIENT I.D.:  
DATE SAMPLED: 10/24/93  
TIME SAMPLED: :  
WORK DESCRIPTION: GARCIA #14-30

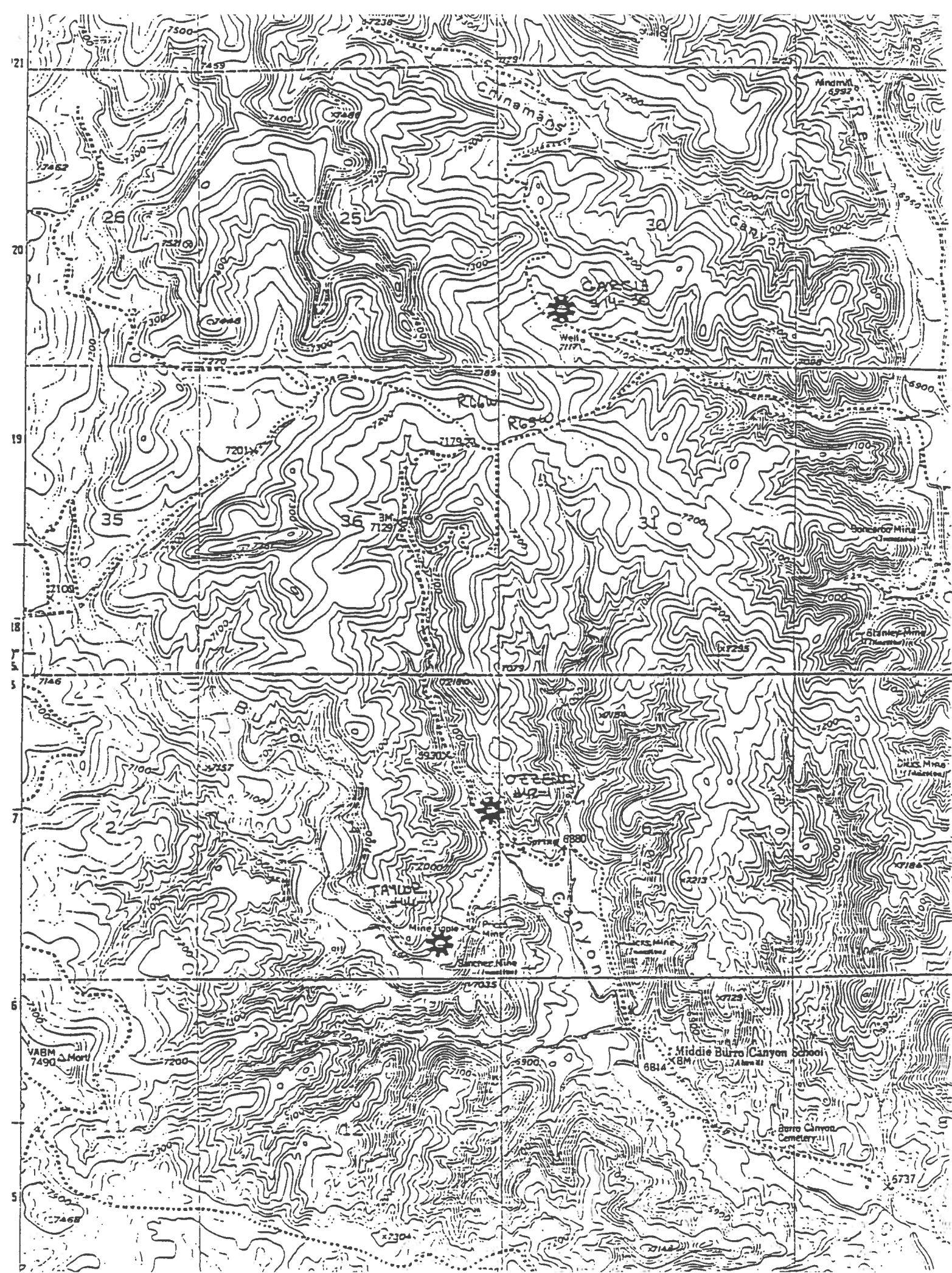
LABORATORY I.D.: 932115-0002  
DATE RECEIVED: 11/01/93  
TIME RECEIVED: 10:40  
REMARKS: REC'D @ 20 DEGREE C

*chain?*  
*OK if Preserved, ICE?*

TEST DESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
8020 - AROMATIC VOLATILE ORGANICS		*1		8020 (2)	11/03/93	CLT
Benzene	ND	0.5	ug/L			
Toluene	ND	0.5	ug/L			
Ethyl benzene	ND	0.5	ug/L			
Xylenes	ND	0.5	ug/L			
4-Bromofluorobenzene (surrogate)	95	0	% Recovery	Limits (85-115)		

10703 East Bethany Drive  
Aurora, CO 80014  
(303) 751-1780





Garcia

# SURFACE USE AGREEMENT FOR DISPOSAL PONDS

This Surface Use Agreement (Agreement) is entered into this 12th day of October 1993, by and between FILBERT AND JOHN E. GARCIA (Owner) and Evergreen Operating Corp. (Evergreen).

In consideration of the mutual covenants and agreements contained herein, the parties agree as follows:

1. Owner hereby grants Evergreen the right of ingress and egress to use up to two (2) acres of land at or near the location identified on Exhibit A, attached hereto and made a part hereof. This grant of the right to use that land shall be for the limited purpose of installing, constructing, operating and maintaining a disposal pond and or an evaporation system for the disposal of water produced from Evergreen's oil and gas operations. In connection therewith, Owner further grants Evergreen the right to install one or more water pipelines to bring produced water from Evergreen's production facilities to that disposal pond. All such pipelines shall be buried to a depth so as to not interfere with the other uses or operations of Owner on the lands across which those pipelines are laid.

2. Evergreen agrees to pay Owner the sum of \$1000.00 as full compensation for the rights granted to Evergreen under paragraph 1., above. Such compensation shall be due and payable within thirty (30) days following the date hereof.

3. Owner shall have the right to utilize water disposed of in the pond constructed under this Agreement for stock and agricultural purposes. Owner understands and acknowledges that Evergreen makes no representation nor warranty with respect to the quality or potability of that water. Evergreen shall also have the right to utilize water disposed of in that pond for use in connection with Evergreen's drilling and completion operations.

4. Evergreen will install and maintain a fence around the pond.

5. This Agreement shall remain in full force and effect for a period of Ten (10) years, and thereafter so long as Evergreen continues to utilize the disposal pond for water disposal purposes. Following the expiration of this Agreement or the abandonment of the pond by Evergreen, and at the Owner's request, Evergreen shall restore the land used in constructing and operating the disposal pond to a condition similar to that existing as of the date hereof.

In witness whereof, the parties have executed this Agreement the date first above written.

OWNER

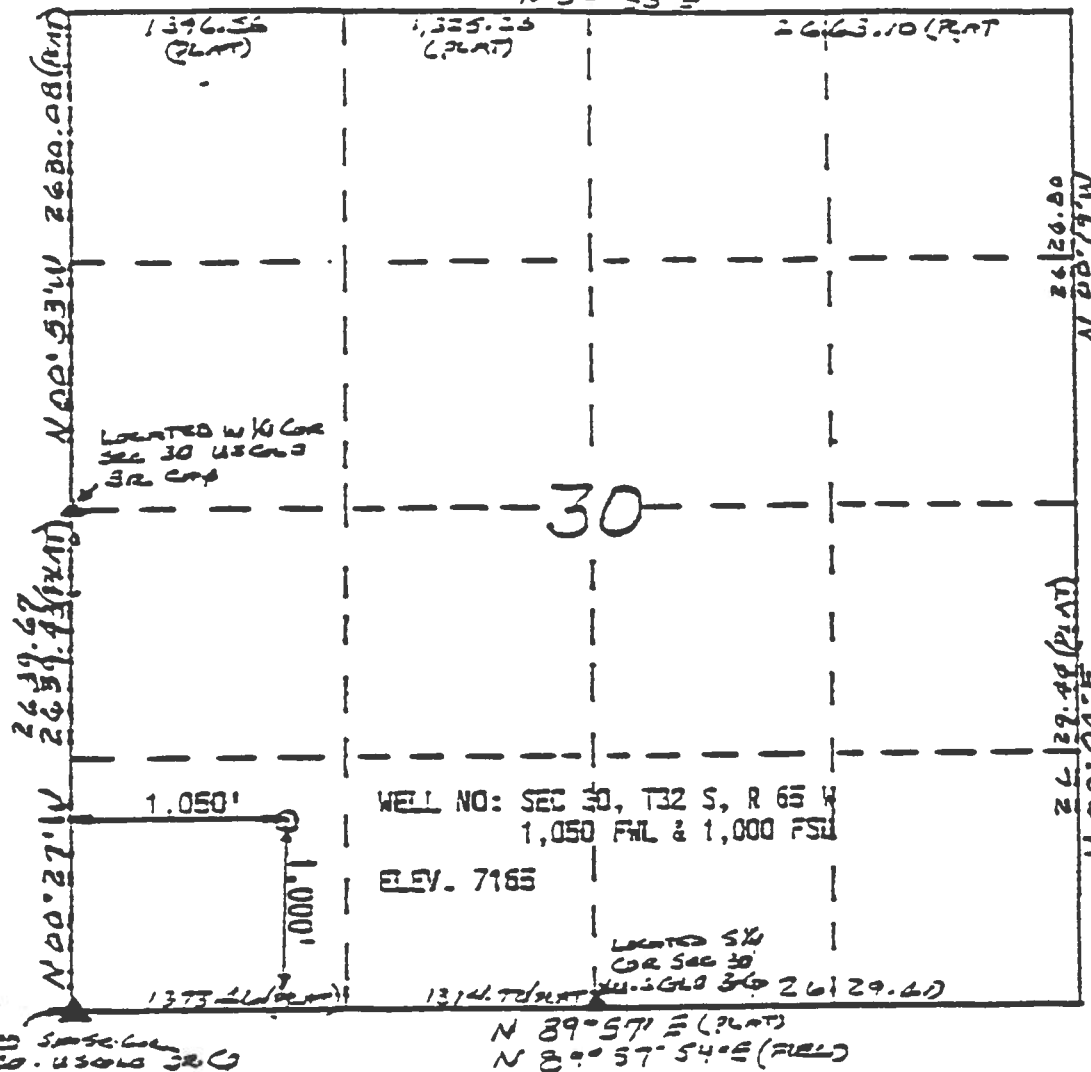
By: Filbert Garcia  
John E. Garcia

EVERGREEN OPERATING CORP.

By: John D. Buckley  
John D. Buckley, Landman

T 32 S

N 89° 53' E

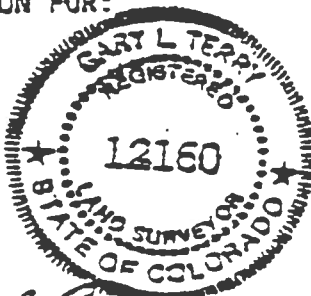


SCALE = 1" = 1,000'

WELL LOCATION FOR:

WELL NO.:

LOCATION:



GARY L. TERRY  
R.L.S. 12160

TERRY SURVEYING, INC.  
P. O. BOX 851  
TRINIDAD, CO. 81082  
(719) 846-6921

EVERGREEN RESOURCES

SECTION 30, NESWSW (1050FWL & 1,000 FSL) T 32 S, R 65 W

1,050 FROM THE WEST LINE AND 1,000 FEET FROM THE SOUTH LINE OF SECTION 30, TOWNSHIP 32 SOUTH, RANGE 65 WEST OF THE 6TH P. M., COUNTY OF LAS ANIMAS, STATE OF COLORADO.

BASIS OF BEARING: THE BEARING OF N 00° 27' W ON THE WEST LINE OF SECTION 30 WAS TAKEN FROM THE U. S. G. L. O. DEPENDENT RESURVEY OF T 32 S, R 65 W PLAT DATED 10/24/24. ALL BEARINGS ARE RELATIVE THEREOF.

ELEVATIONS ARE TAKEN FROM THE U.S.G.S. QUAD MAP "MADRID".

SURVEYED JULY 9, 1993

NOTE: NO IMPROVEMENTS EXIST WITHIN A 200 FOOT RADIUS OF THIS WELL SITE.