



Devil Mountain 41-29 Storage Pond  
NE NE Sec. 29-T33S-R65W  
Las Animas County, Colorado

#### ADDITIONAL INFORMATION

1. Primary Contact Person: Stephanie Basey  
Field Production Engineer  
Evergreen Operating Corporation  
1401 17<sup>th</sup> Street, Suite 1200  
Denver, CO 80202  
(303) 298-8100 Office  
(303) 298-7800 Fax  
  
Local Contact Person: Fred Crawford  
Evergreen Operating Corporation  
11318 County Road 53.5  
Trinidad, CO 81082  
(719) 846-7898 Office  
(719) 846-1657 Fax
2. Evergreen has submitted this application to convert the existing drilling reserve pits to unlined earthen pits to be used for storage of produced groundwater. This unlined earthen pit will be used for beneficial use by the landowner and evaporation of produced groundwater from the above-mentioned well. Produced groundwater will be piped directly from the wellhead to the converted reserve pits via 2" surface line. This unlined earthen pit is located within the confines of the wellsite. There are no arroyos or surface water drainages within the near vicinity of this unlined earthen pit. The unlined earthen pit will be approximately 30'x70'x6' deep. The unlined earthen pits have been constructed such that the water level will not be above the original ground level, thereby reducing the possibility of seepage under the berm. Any excess water production will be hauled via truck to the nearest approved unlined earthen pit. Evergreen will include this well as a proposed outfall point on the next NPDES amendment.
3. This area has been determined to be located in a non-sensitive area since the nearest ground and surface water is more than 200 feet away.
4. A wellsite survey and color topo map have been attached as Exhibits 1 and 2 respectively.
5. Evergreen has a policy of testing the produced water from all its wells on a quarterly basis. This testing will ensure that the water stored in this pond stays within state approved standards. This well has not produced long enough to obtain a representative produced groundwater sample. The next produced groundwater analysis from Core Labs will be sent as soon as it is received.
6. Calculations:

Surface Area:

$$L*W = 30'x70' = 2,100 \text{ sq. ft.}$$

Storage Capacity:

$$L*W*D = 30'x70'x6' = 12,600 \text{ cu. Ft.}$$

$$12,600 \text{ cu. ft.} * (1 \text{ bbl} / 5.615 \text{ cu. ft.}) = 2,244 \text{ bbls}$$

Expected Daily Evaporative Loss at 45 Pan Inches/Year:

3 bbls/day

7. From the Colorado Division of Water Resources List dated 10/8/98:  
Water Wells within a 1/8 mile radius:

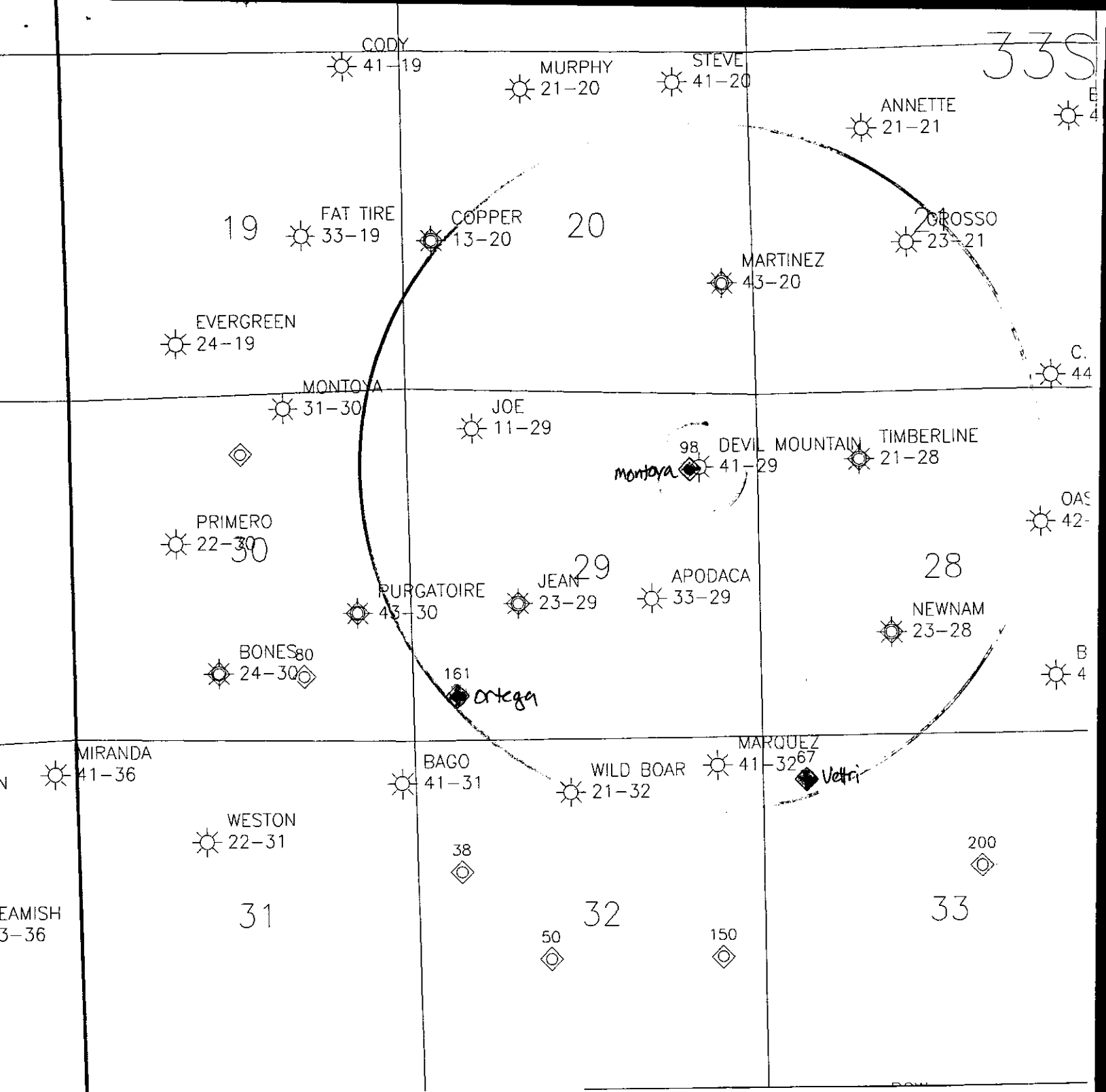
1. Ben Montoya  
NE NE Sec. 29-T33S-R65W  
Depth: 98'

Water Wells within a 1 mile radius:

1. Manuel Ortega  
SW SW Sec. 29-T33S-R65W  
Depth: 161'
2. Dan Veltri  
NW NW Sec. 33-T33S-R65W  
Depth: 67'

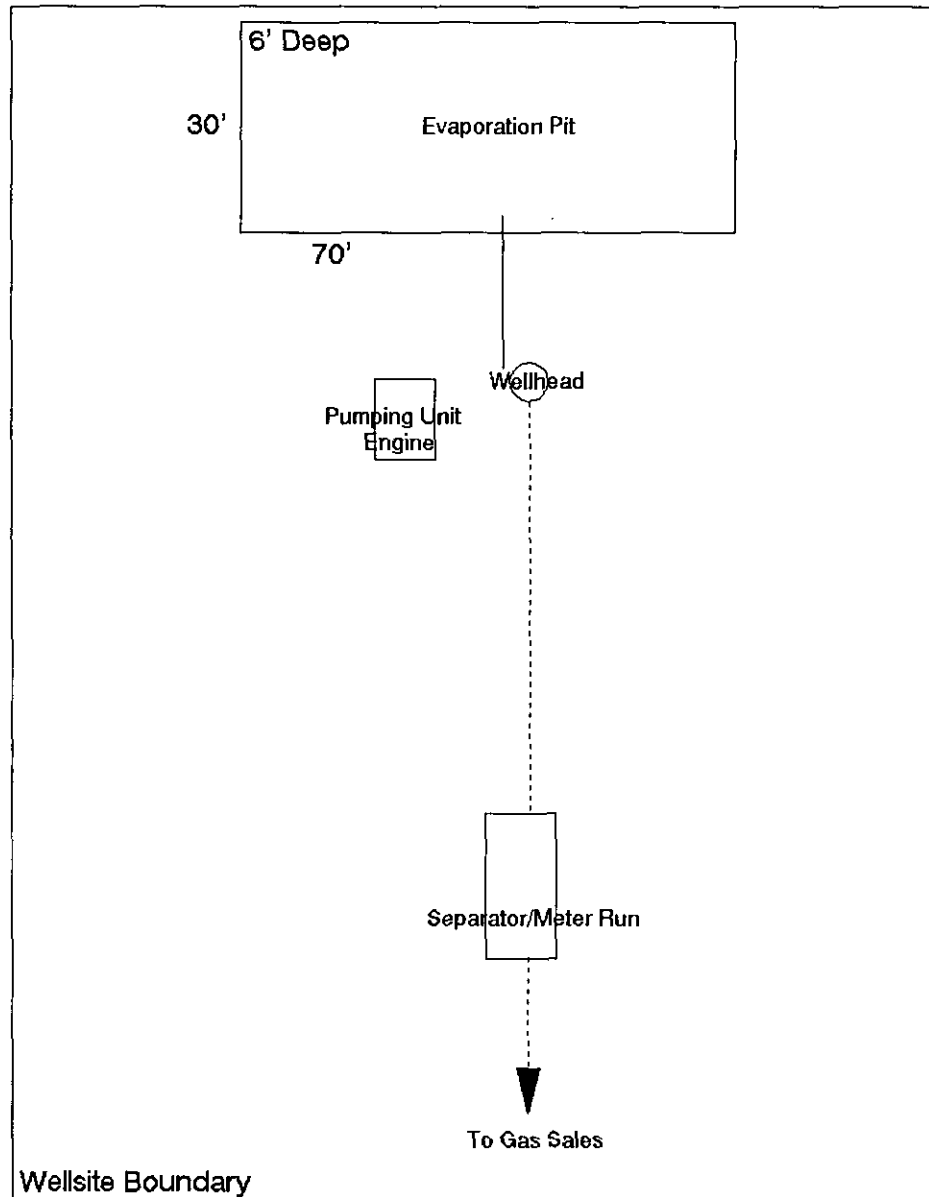
If the water well owners consent, all water wells within a 1 mile radius will be tested and analyzed on a yearly basis at Evergreen's expense.

8. The pond will be visited at least once per day by Evergreen field personnel and all spills and/or releases shall be reported in accordance with Colorado Oil and Gas regulations.



DEVIL MOUNTAIN 41-29  
NE NE Sec. 29-T33S-R65W  
Las Animas County, Colorado

WELLSITE DIAGRAM



Not to Scale  
SJB 11/11/98

——— Water Line

----- Gas Line

# COLORADO WELL LOCATION PLAT

OPERATOR Evergreen Operating Corporation

LEASE Devil Mountain WELL NO. 41-29

SECTION 29, TOWNSHIP 33 South, RANGE 65 West, 6th P.M.

COUNTY Las Animas, COLORADO

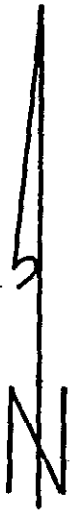
FOOTAGE LOCATION OF WELL: 1113 FEET FROM THE North LINE and  
902 FEET FROM THE East LINE

GROUND LEVEL ELEVATION: 6718' Estimated

SURFACE USE WITHIN 200' RADIUS: No improvements within 200 feet.

BASIS OF BEARING: GPS Data - UTM Coordinates Zone 13.

BASIS OF ELEVATION: GPS Data dated 4/9/97.

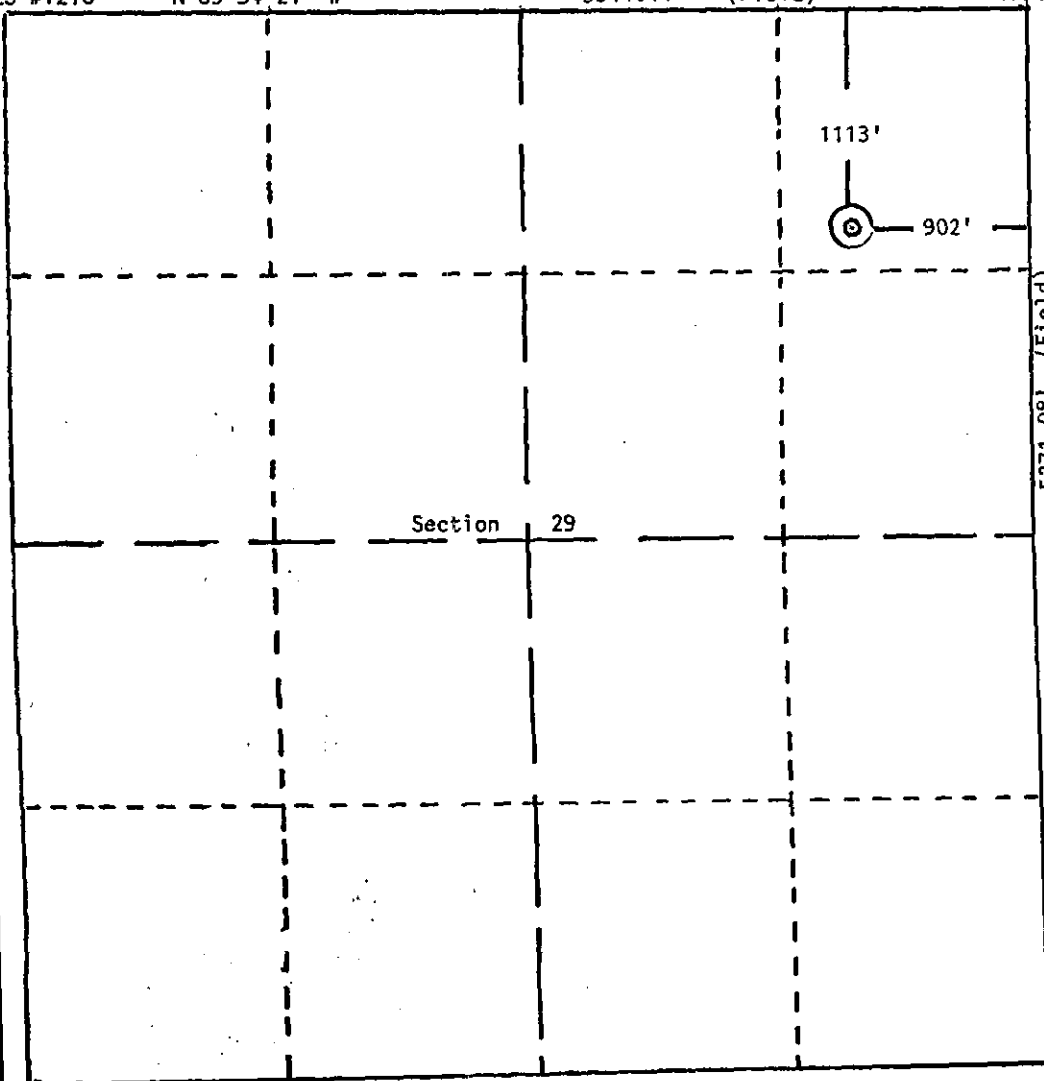


500' 500'

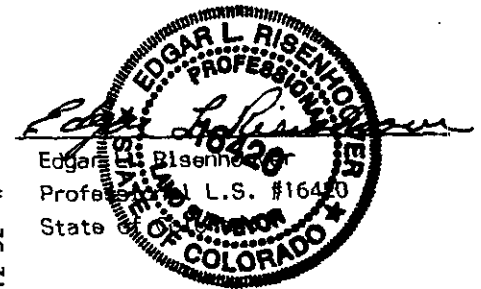
1" = 1000'

Some information on this plat is based on information taken from previous surveys, record information, or collateral evidence and may not reflect that which may be disclosed by a complete boundary survey. This plat is not to be relied on for the establishment of surface boundaries, fences, buildings, or other future improvements.

Brass Cap LS #1216 N 89°54'21" W 5344.44' (Field) Rock Corner



I hereby certify that the proposed well location shown on this plat was prepared from field notes of an actual survey by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief, and that there are no visible improvements within 200 feet of this proposed wellhead, unless noted otherwise.



April 9, 1997  
Date Surveyed

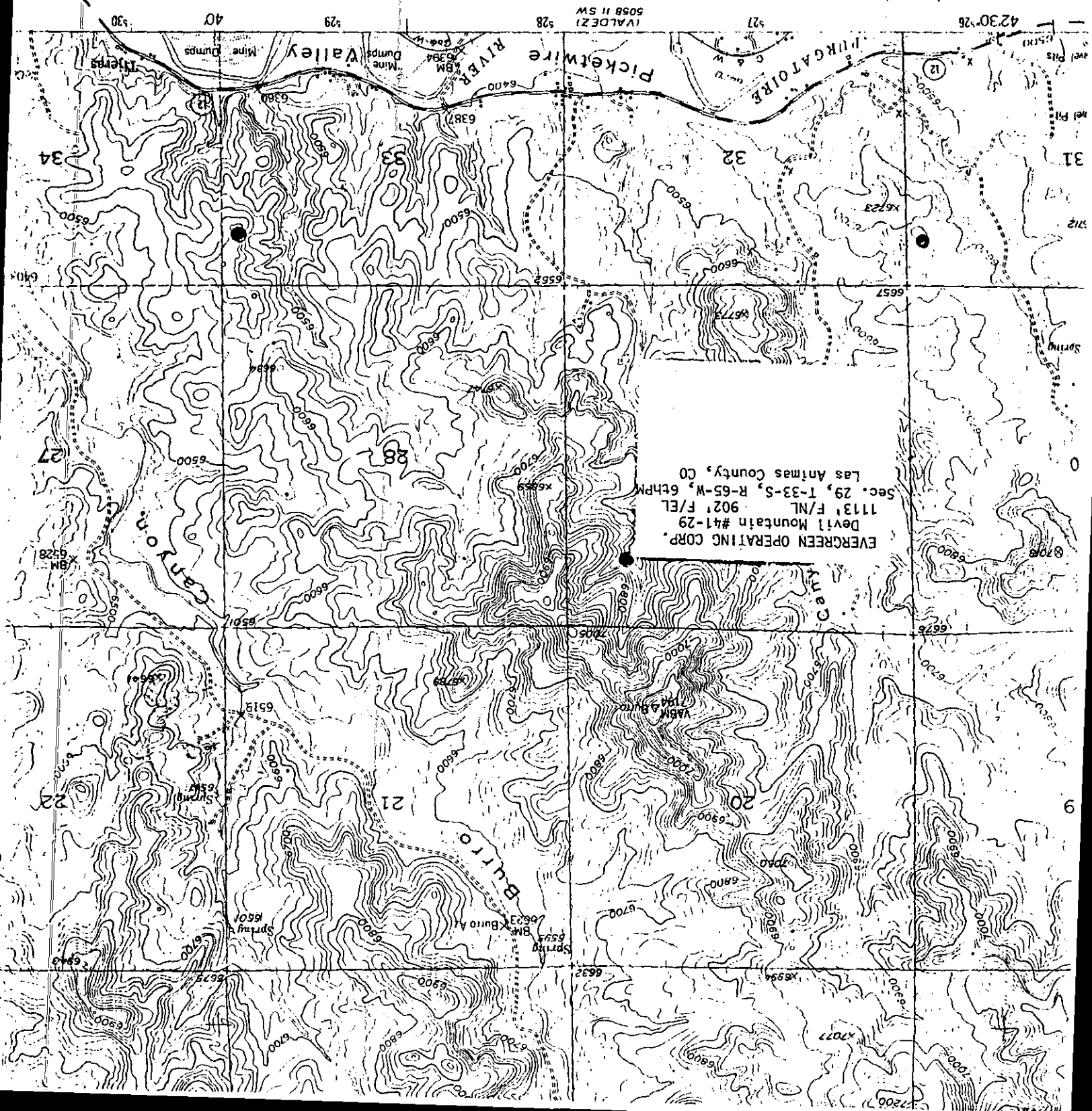
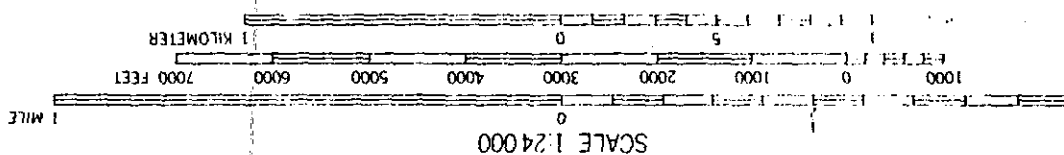
Alum. Cap  
L.S. #10362

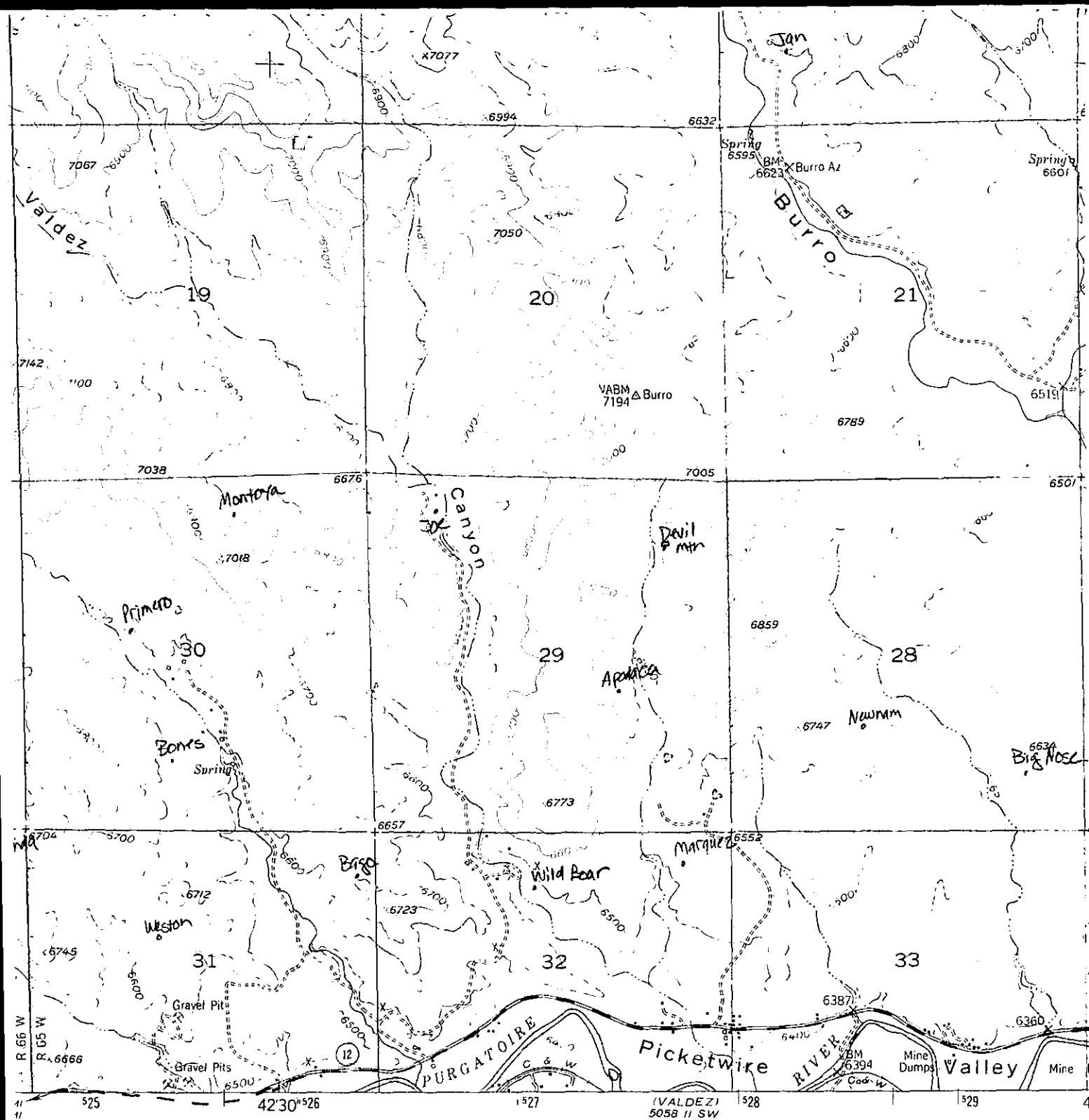
SCALE 1" = 1000'

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 20242  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

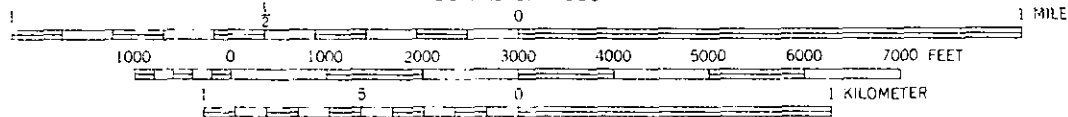
NORTH  
ARROW

CONTOUR INTERVAL 20 FEET  
DATUM IS MEAN SEA LEVEL

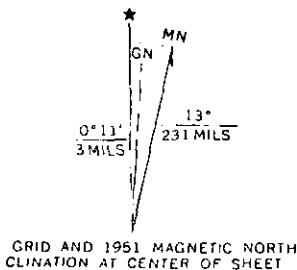




SCALE 1:24 000



CONTOUR INTERVAL 20 FEET  
DATUM IS MEAN SEA LEVEL



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

State of Colorado  
Oil and Gas Conservation Commission  
DEPARTMENT OF NATURAL RESOURCESAPPLICATION FOR PERMIT TO USE UNLINED EARTHEN  
PIT

Submit \$200 application fee and all required attachments. Unlined "Drilling Pits" will require a permit only under special conditions (Rule 903). All new unlined earthen "Production Pits" require a permit (Rule 904). Unlined "Special Purpose Pits" require a permit or waiver thereof (Rule 905).

0000031  
FOR OGCC USE ONLY  
13400  
C  
07106470  
ET OF PR ES

Operator Number: 06385	Contact Name & Phone
Name of Operator: Evergreen Operating Corporation	Stephanie Basey
Address: 1401 17th St. #1200	No: (303) 298-8100
City: Denver State: CO Zip: 80202	Fax: (303) 298-7800

Complete the  
Attachment Checklist

	Oper	OGCC
Detailed Site Plan		
Topo Map with Pit Location		
Produced Water Analysis		
Pit Design/Plan & Cross Section		
Design Calculations		
Sensitive Area Documentation		
Drilling Mud Program		
Filing Fee (\$200)		

Application for: <input type="checkbox"/> New Pit <input checked="" type="checkbox"/> Existing Pit
Lease Name: Devil Mountain #41-29
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): NE/NE Sec.29-T33S-R65W
County: Las Animas
Field Name: Spanish Peaks Unit Field Number: 77780

## Pit Use

Pit type: <input checked="" type="checkbox"/> Production <input type="checkbox"/> Drilling <input type="checkbox"/> Special Purpose (Describe Use):
Onsite disposal of pit contents: <input checked="" type="checkbox"/> Evaporation <input checked="" type="checkbox"/> Percolation <input type="checkbox"/> Surface discharge
Offsite disposal of pit contents: <input type="checkbox"/> Injection, facility #: <input type="checkbox"/> Commercial pit, name:
Other disposal method, explain:
Daily inflow volume Initial: 50 At full capacity: 75 ** Attach produced water analysis **
Estimated life of pit (years): 20

## Existing Site Conditions

Is the location in a "Sensitive Area?" <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
Required Information on all Pits	Required Information for Pits in Sensitive Areas
Distance to nearest surface water 200'	Depth to shallowest groundwater:
Adjoining land use: Ranching	Distance to nearest water well within 1/4 mile:
*Attach detailed site plan including all pits.	*Attach soil/geologic description to 20 feet below pit depth.

## Pit Design and Construction

Size of pit	Length: 70	Width: 30	Depth: 6
Calculated pit capacity (bbls): 2,243			
Daily disposal rates (attach calculations):	Evaporation 3 bbls/day	Percolation 47 bbls/day	
Discharge bbls/day	Injected bbls/day	Commercial pit bbls/day	Other bbls/day
Will the pit have an impermeable layer isolating the soil? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, material used:			
Maximum fluid level above ground elevation: 0			
*Attach description of proposed design and construction (include sketches and calculations). Using existing drilling reserve pits			
Method of treatment of produced water (separator, heater treater, other): Separator			

## Source Wells for Pit Fluids

API Number	Well Name and Number	OGCC Lease #	Formation	Type of production		
05-071-6470	DEVIL MOUNTAIN #41-29	20246	Vermejo	Oil	Gas	Cond
					X	

\*Attach the results of a chemical analysis of fluids from each formation placed in this pit.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name

STEPHANIE BASEY

Signed Stephanie Basey Title: FIELD PRODUCTION ENGINEER Date: 11/20/98

OGCC Approved: Jon And Title: EPS

Montoga water well shall be tested  
CONDITIONS OF APPROVAL, IF ANY: every 6 months.

Pit Permit  
Number: 113400

Produced water analysis to be submitted to the  
COGCC on or before January 15, 1999. Failure to submit the analysis shall  
result in cancellation of the permit.