



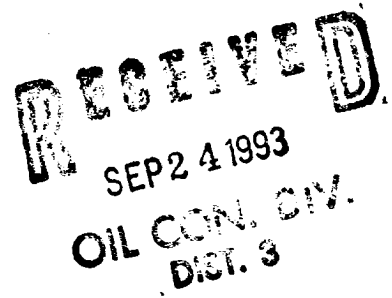
## TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
6846 S. Canton, Suite 100  
Tulsa, OK 74136  
918-496-3200

REGIONAL OFFICE  
909 W. Apache  
Farmington, NM 87401  
505-325-0924

September 21, 1993

Roger Anderson, Bureau Chief  
New Mexico Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088



RE: CLASS I NON HAZARDOUS INJECTION WELL, BLOOMFIELD  
REFINING COMPANY, PERMIT APPLICATION AMENDMENT:

Dear Mr. Anderson:

As you are aware, Bloomfield Refining Company (BRC), has applied to the OCD for a modification of their discharge plan to include a Class I non-hazardous injection well that will inject into the Cliff House Formation. During the review process by OCD, two (2) production wells, the Amoco Davis Gas Com "F" No. 1 and the Meridian Oil Calvin No. 1, contained within the area of review were identified as not being properly cemented. BRC successfully negotiated with Amoco to P & A the Davis Gas Com "F" well. They were unsuccessful negotiating with Meridian to cement squeeze the Calvin No. 1 Well. Therefore, Bloomfield Refining asked Tierra to relocate the proposed injection well so that the Calvin No. 1 would be outside the area of review and not at issue.

On August 20, 1993, OCD issued an Administrative Order No. SWD-528 authorizing BRC to complete the well but stipulating that the Calvin No. 1 Well and Amoco Davis well be cemented to surface.

On behalf of Bloomfield Refining, we are requesting the order be amended to include the new proposed location. Enclosed for your review is a list of wells located within one-half mile of the new proposed location that penetrate the Cliff House Formation, a map identifying the new area of review, and a location map. As you will see the Davis Gas Com "F" No. 1 is still at issue. It will be plugged and abandoned. The other wells have cement circulated to the surface. The Meridian Oil Calvin No. 1 is just outside of the new area of review.

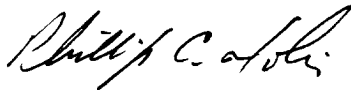
Roger Anderson  
September 21, 1993  
Page 2

Once approval for the relocation of the well is received, we will proceed with submission of the application to drill, plugging bond etc.

I hope this information is sufficient. If you have any questions or require more information please call me at (505) 325-0924.

Sincerely,

TIERRA ENVIRONMENTAL CORPORATION

A handwritten signature in cursive script, appearing to read "Phillip C. Nobis".

Phillip C. Nobis  
Vice President

PCN/lp

The following is a list of wells located within one half mile of the new amended injection well location and have penetrated the Cliff House Formation:

**AMOCO Davis Gas Com "F" No. 1E**

NE, Sec. 27, T29N, R11W

1575 from north line

1150 from east line

TD: 6388'

Cement Circulated to surface.

**AMOCO Davis Gas Unit-F No. 1**

SE, Sec. 27, T29N, R11W

1850' from south line

1190 from east line

TD: 6365'

This well will be P&A by agreement.

**Meridian Oil Congress No. 18**

SW, Sec. 27, T27N, R11W

2127' from south line

1937' from west line

TD: 6150'

Cement circulated to surface

**Meridan Oil Mangum No. 1E**

NW, Sec. 27, T29N, R11W

1520' from north line

1735' from west line

TD: 6240'

Cement circulated to surface

PROPERTY LINE

INJECTION WELL

1250.39

N 1/2 NE 1/4 SE 1/4

PROPERTY LINE

2691.93

2640.00

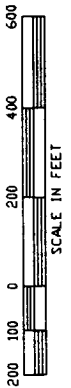
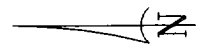
2442.31

CALVIN  
WELL NO. 1

EAST QUARTER CORNER

26 T29N R11W N44M  
21 34 35

SOUTH QUARTER CORNER



PROPERTY LINE

INJECTION WELL

1250.39

N 1/2 NE 1/4 SE 1/4

PROPERTY LINE

2442.31

2640.00

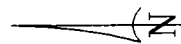
CALVIN  
WELL NO. 1

EAST QUARTER CORNER

26 T29N R11W N1/4

27 34 35

SOUTH QUARTER CORNER



**Proposed Injection Well Locations (new amended location)**

<b>Formation Name</b>	<b>Depth (top of Fm ) KB=5544'</b>	<b>Thickness of Formation</b>	<b>Production</b>
Nacimiento	surface	548'	none
Ojo Alamo	552'	185'	none
Kirtland (Frm. Sd)	724'	685'	oil
Frutland	1409'	310'	gas
Pictured Cliffs	1719'	75'	gas
Lewis (Chaco Sd)	1894'	1390'	gas
Chit House	3294'	114'	none
Menefee	3398'	600'	gas
Point Lockout	4009'	300'	oil/gas

The depths and thicknesses were extrapolated from nearby wells in Sections 26 and 27, T29N, R11W and structural data generated during the feasibility study. Depths to the top of specific formations may change once an accurate surface elevation is obtained after the proposed injection well location is selected. Production data is generalized in this chart to show the primary type of fluid or gas derived from said formations in the vicinity of Bloomfield.