

TABLE 2 – Results of Laboratory Analyses of Water Samples from Wells and Springs in the Lybrook Area

Well or Spring Location	Name of Well or Spring	Benzene ug/l	Ethyl Benzene ug/l	Toluene ug/l	Total Xylenes ug/l	TDS ppm	Unit
T23N R7W							
Sec 25.11	Unnamed Spring	N.D.	N.D.	N.D.	N.D.	310	Tsj
Sec 10.34	Escrito Spring	N.D.	N.D.	N.D.	N.D.	200	Tsj
Sec 10.43	Lybrook Comm. Well	N.D.	N.D.	N.D.	N.D.	630	Toa
Sec 15.22a	Rincon Water Well	N.D.	N.D.	N.D.	N.D.	6200	Tn
Sec 15.22.b	Andress Well 1	N.D.	N.D.	N.D.	N.D.	4200	Tn
Sec 3.24	Iron Spring	N.D.	N.D.	N.D.	N.D.	2500	Tn
T24N R8W							
Sec 12.33	Loco Spring	N.D.	N.D.	N.D.	N.D.	1450	Tn

REPORT TITLE
 ANALYSIS OF WATER SAMPLES FROM WELLS AND SPRINGS IN THE LYBROOK AREA

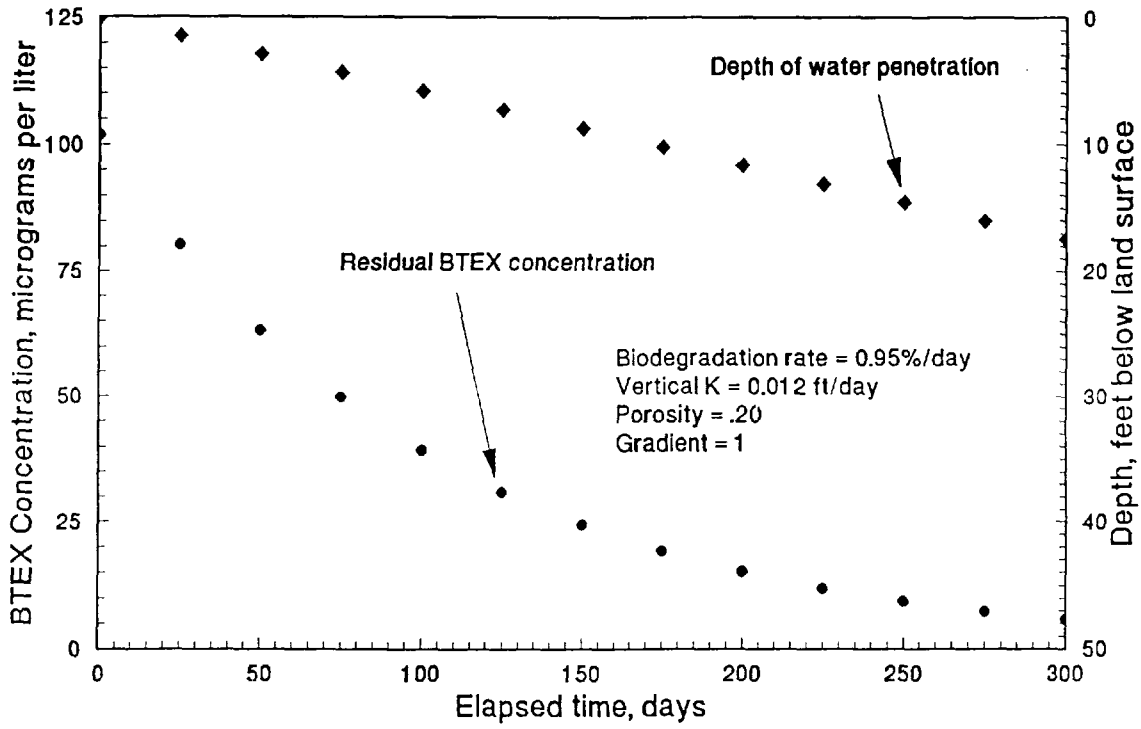
DATE NO. 11/27/20
 SUBMITTED BY BCC
 HEARING DATE 7/19/02

VULNERABLE AREA WELL DATA
BCO, INC

WELL or CENTRAL BATTERY	WATER DISCHARGE BBL/DAY	PRODUCING FORMATION	LOCATION
State "H" 7	2.5	GALLUP/DAKOTA	23N-07W-02-F
State H 3	0.1	GALLUP/DAKOTA	23N-07W-02-M
State H 1, 2, 6	0.5	GALLUP/DAKOTA	23N-07W-02-O
Dunn 15, Dunn 7	0.1	GALLUP/DAKOTA	23N-07W-09-M
State "J" No. 1	0.4	GALLUP	23N-07W-16-A
State "J" 2, 3, 4	1.4	GALLUP	23N-07W-16-J
Federal "L" 1	0.3	GALLUP	23N-07W-28-O
Federal "C" 1, 2, 3	1.7	GALLUP	23N-07W-31-P
Alamito Unit 1, 2, 3, 4	0.3	GALLUP	23N-07W-32-N
Federal "I" 1, 2, 3, 4	1.4	GALLUP	23N-07W-33-G
Federal B 2, 3, 4, 5, 6	1.5	GALLUP	23N-07W-34-G
Bobby B 3, Bobby B 4	0.6	GALLUP	24N-06W-31-E
Federal 2-7	0.0	GALLUP	24N-07W-07-M
Elizabeth 2	0.0	GALLUP	24N-07W-18-C
Escrito Gallup Unit No. 27	0.0	GALLUP	24N-07W-19-H
Federal 3-21 #4	0.1	GALLUP	24N-07W-21-O
Lybrook 2, 4, and 6-22	0.1	GALLUP	24N-07W-22-I
Federal 6-22 #1	0.0	GALLUP	24N-07W-22-K
Federal 1-22 #1, #2	0.1	GALLUP	24N-07W-22-N
Byrd 5-23	0.0	GALLUP	24N-07W-23-O
Federal 2-26 #1	0.9	GALLUP	24N-07W-26-C
Smith 2, Smith 3	0.1	GALLUP	24N-08W-13-A
Smith 4, Smith 5	0.1	GALLUP	24N-08W-13-F
Smith 1, Elizabeth 6	0.0	GALLUP	24N-08W-13-I
TOTAL:	12.2		
NUMBER OF SITES	24		

16436
 BCO
 4/9/02

Biodegradation and Vertical Migration Rates Lybrook, New Mexico



BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 10432 EXHIBIT No. 4
Submitted by BCE
Hearing Date 5/21/92

Table C.2.

Rock	Representative Vertical Hydraulic Conductivity	
	(gpd/sq ft)	(ft/d)
Sand, gravel, clay	.1 - 1.0	.013 - .13
Clay, sand, gravel	.001 - .006	.0013 - .008
Clay	.0005 - .001	.00007 - .0013
Shale	.0000001 - .001	.000000013 - .00013

Source:

W. C. Walton, 1987, Groundwater pumping tests, design and analysis: Lewis Publishers, Chelsea, Michigan, Appendix C, P. 164.

BEFORE THE
OIL CONSERVATION BOARD
State of Michigan

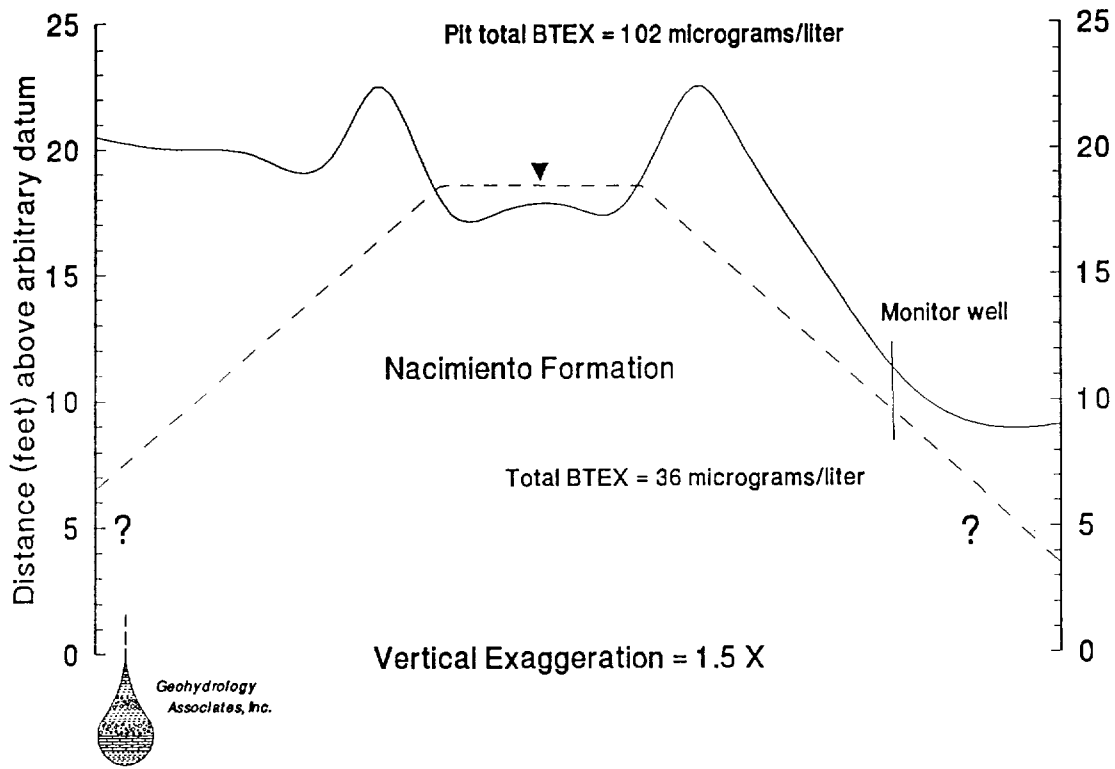
Case No. 10436

Submitted by: BEO

Hearing Date: 5/21/92

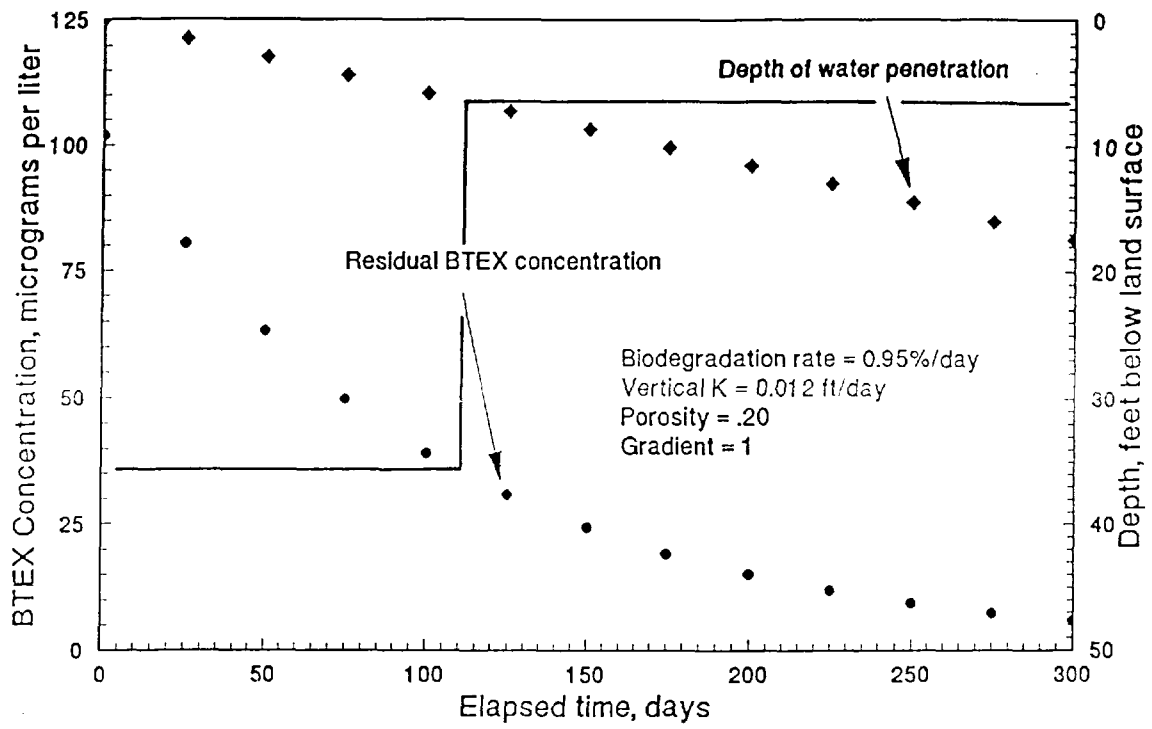
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Cross Section of B Battery Disposal Location
BCO Inc., Lybrook, New Mexico



10436
BCO
5/24/92

Biodegradation and Vertical Migration Rates Lybrook, New Mexico



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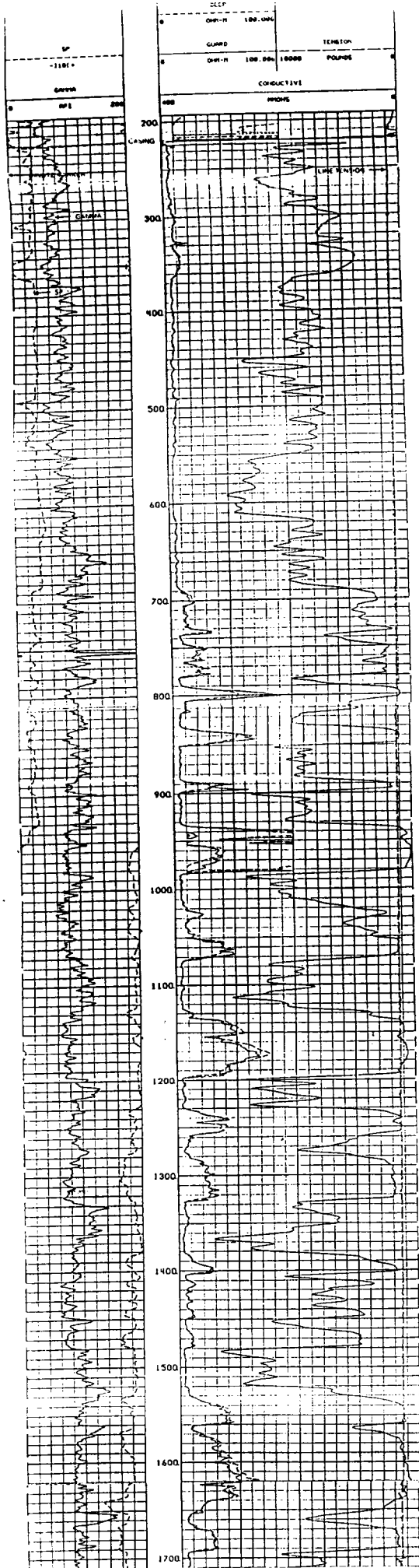
BEO

5/21/92

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DUAL INDUCTION LOG

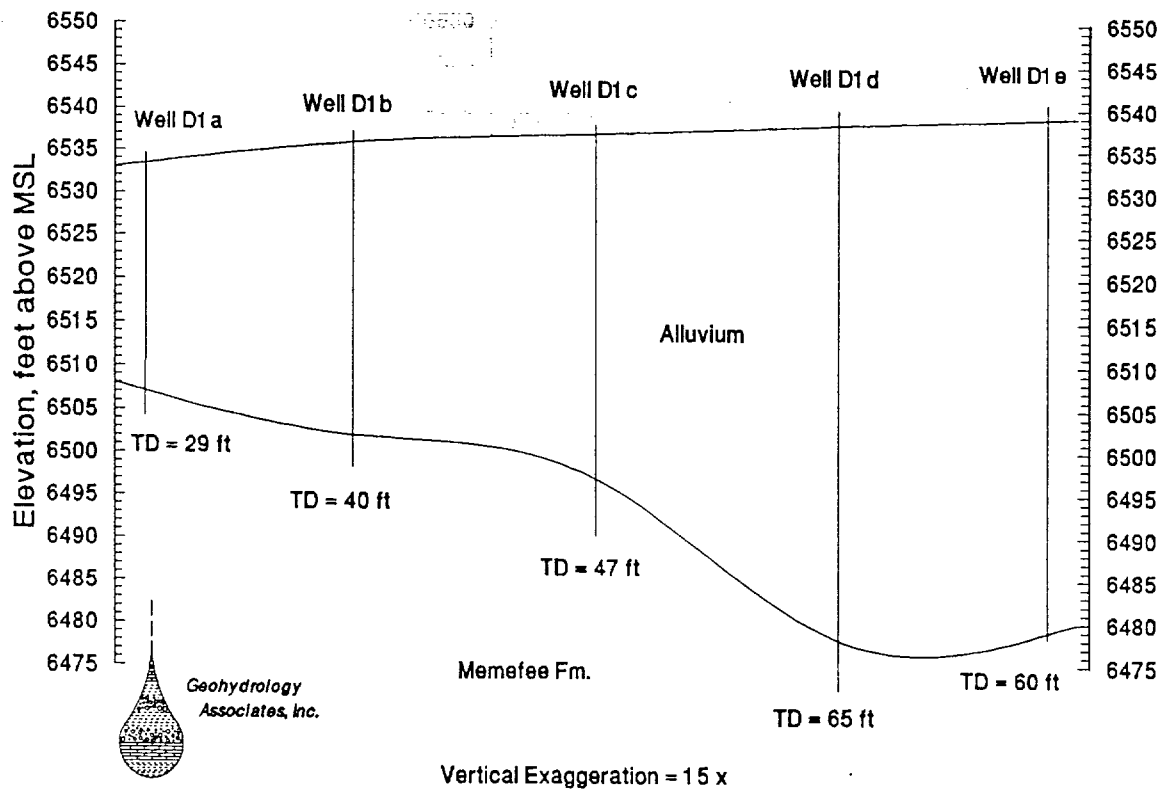
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NACIMIENTO FM

OJO ALAMO SANDSTONE

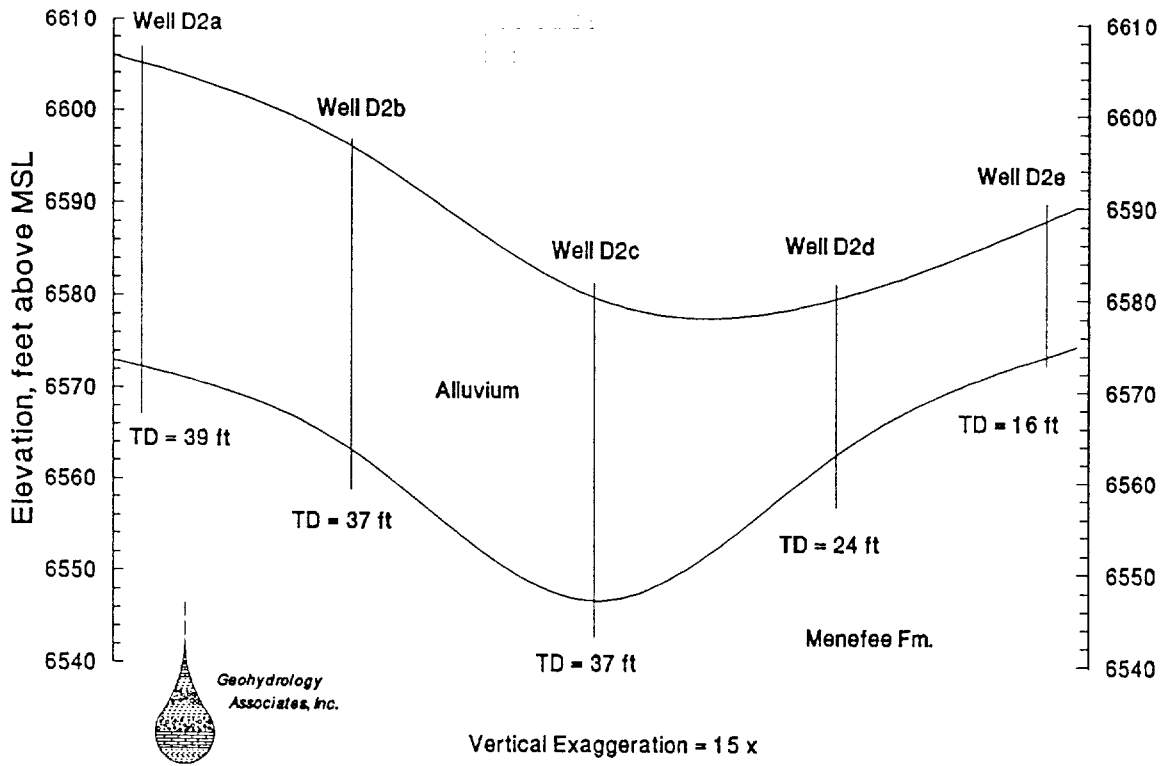
Valley Fill Hydrogeologic Investigation Defiance Draw Transect 1



REPORT OF THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

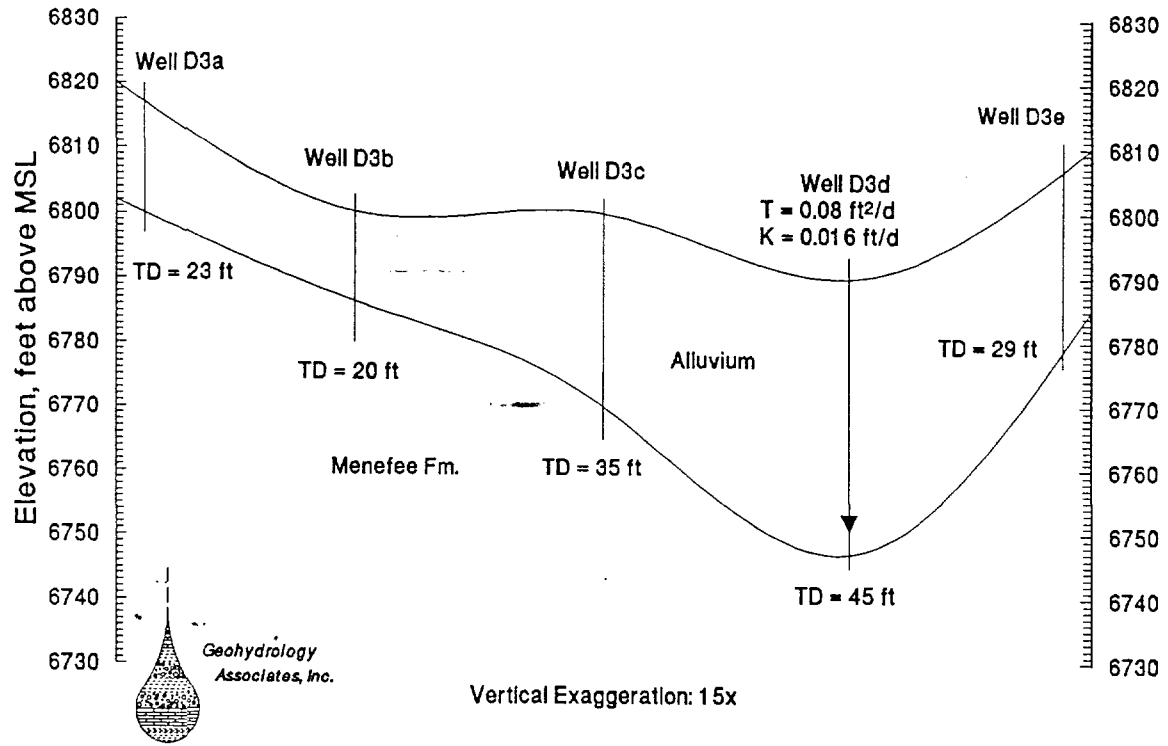
Case No. 16436 Sub. No. 9
Submitted by BCO
Hearing Date 5/21/92

Valley Fill Hydrogeologic Investigation Defiance Draw Transect 2

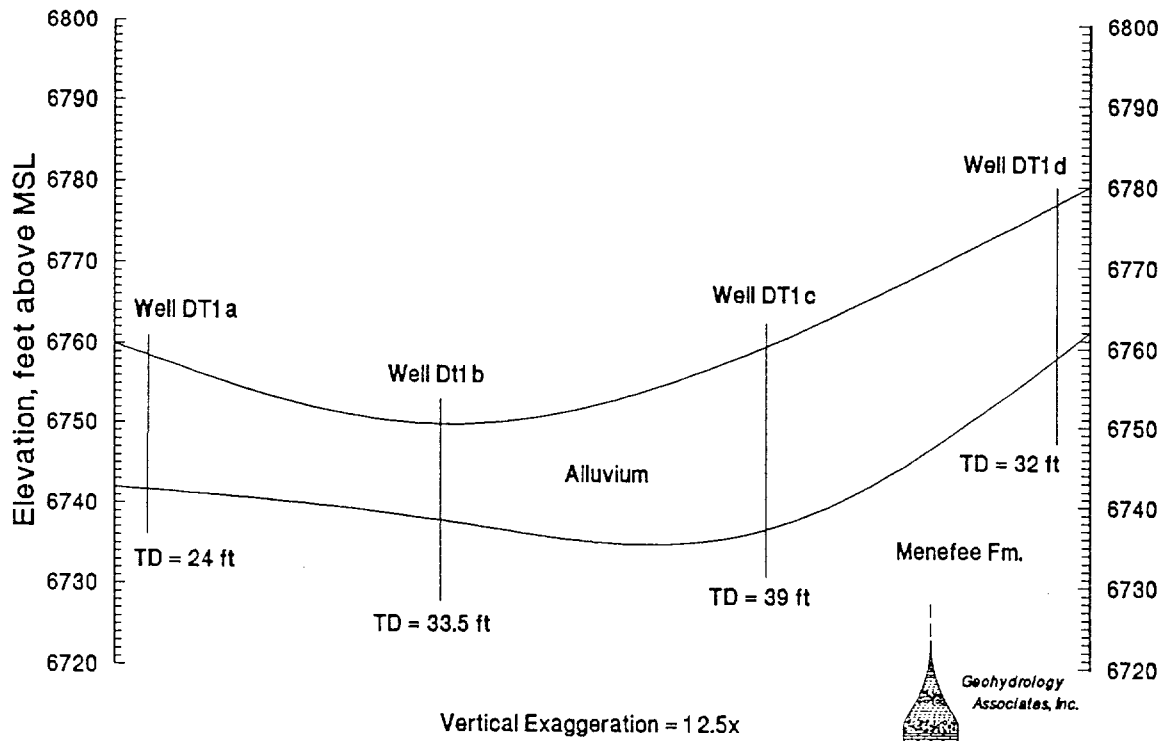


Valley Fill Hydrogeologic Investigation

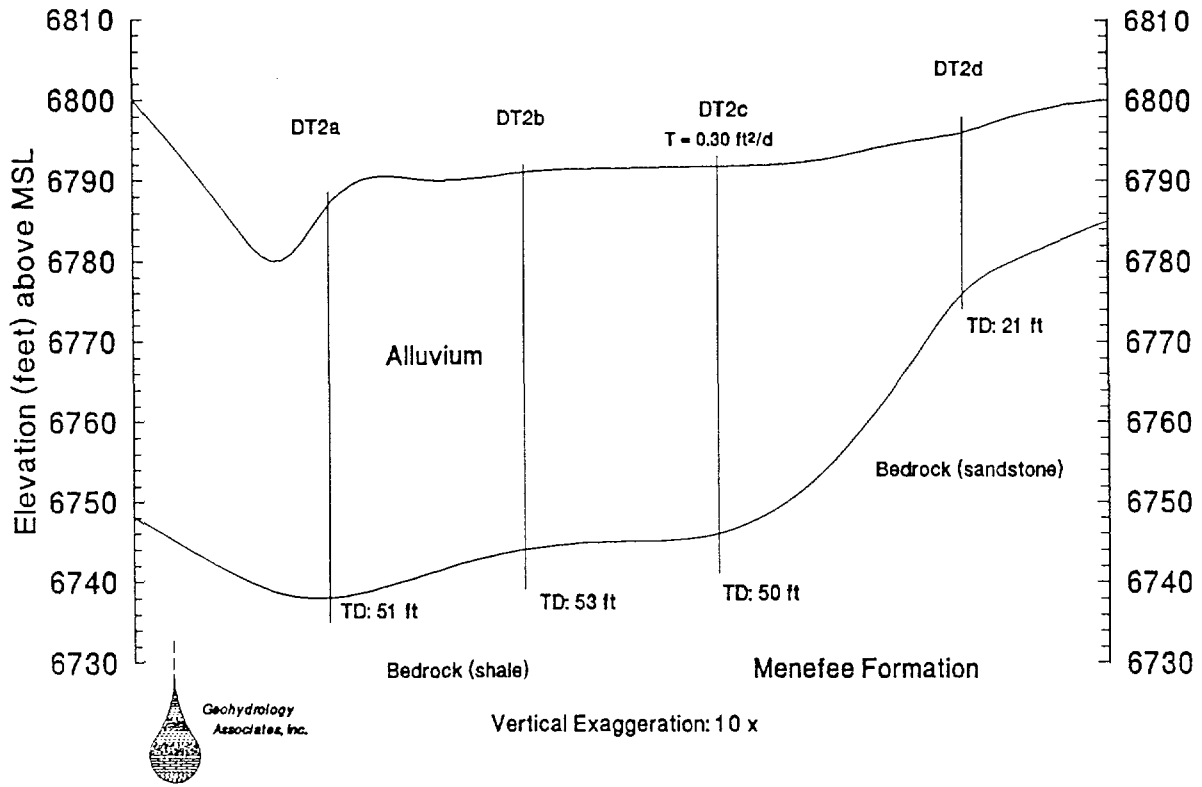
Defiance Draw Transect 3

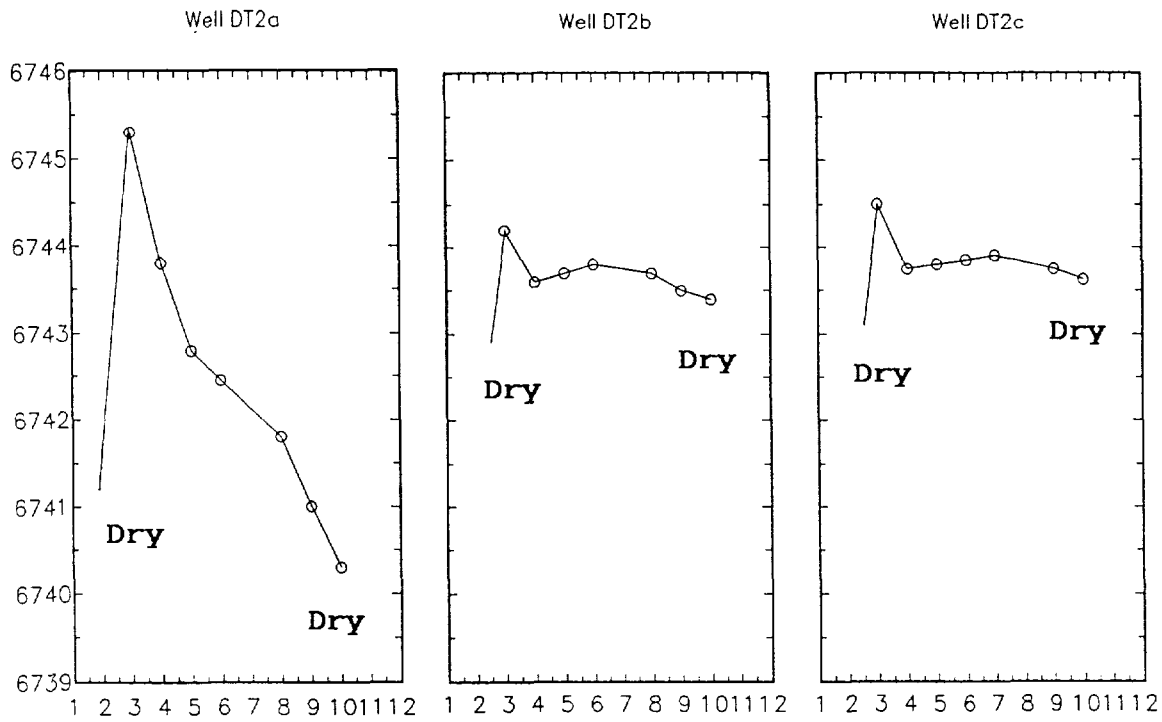


Valley Fill Hydrogeologic Investigation Defiance Draw Tributary 1 Transect



Valley Fill Hydrogeologic Investigation Defiance Draw Tributary 2 Transect





Hydrographs of wells in transect DT2 (1980)

Water levels (ft) above Mean Sea Level

Winter Precipitation Data, Gallup FAA Station
National Weather Service Data 1973 - 1987

