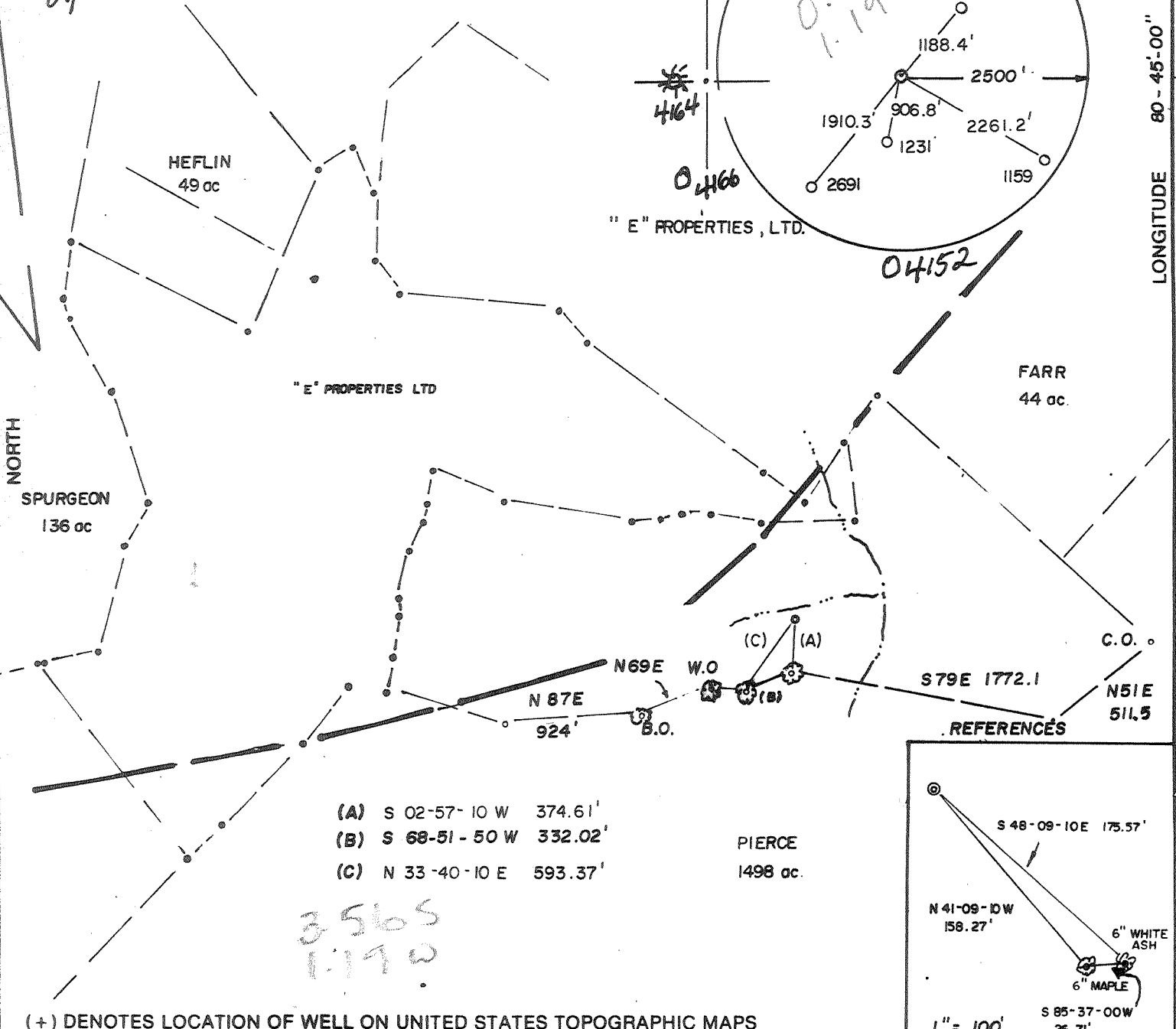


# Chevront / Farr #1

LATITUDE 39-17-30

*Jemie*  
2/21/95



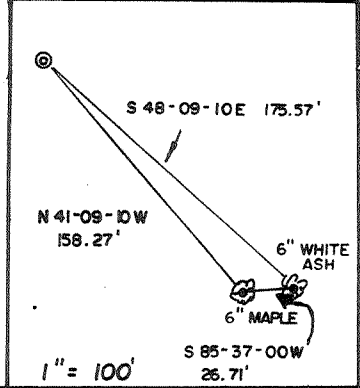
- (A) S 02-57-10 W 374.61'
- (B) S 68-51-50 W 332.02'
- (C) N 33-40-10 E 593.37'

PIERCE  
1498 ac.

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 950206 - REV.  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION BM 792 IN NE END OF R/R BRIDGE ABUTMENT

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.  
 (SIGNED) Robert H. Jarvis  
 R.P.E. \_\_\_\_\_ L.L.S. 800



## STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS DIVISION



DATE OCTOBER 14, 19 94  
 OPERATOR'S WELL NO. CHEVRONT / FARR #1  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 880 WATER SHED BRUSHY FORK  
 DISTRICT WEST UNION COUNTY DODDRIDGE  
 QUADRANGLE WEST UNION WU SE  
 SURFACE OWNER "E" PROPERTIES LTD. ACREAGE 144  
 OIL & GAS ROYALTY OWNER C. FARR TRUST LEASE ACREAGE 144

PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5500'  
 WELL OPERATOR RARE EARTH MINERALS, INC DESIGNATED AGENT SAM SPATAFORE  
 ADDRESS PO. BOX 390, CLARKSBURG WV ADDRESS PO. BOX 390 CLARKSBURG WV

3600'  
80-45-00"  
LONGITUDE  
NORTH  
C.O.  
N51E 511.5  
REFERENCES  
6" WHITE ASH  
6" MAPLE  
1" = 100'  
Doddridge  
COUNTY NAME  
PERMIT

FORM WW-6

6-6-99

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: 'E' PROPERTIES, LTD. Operator Well No.: CHEVRNT/FARR #1

LOCATION: Elevation: 880.00 Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE  
Latitude: 3600 Feet South of 39 Deg. 17Min. 30 Sec.  
Longitude 6300 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: RARE EARTH MINERALS, INC.  
507 BALTIMORE AVE., P.O. BX 390  
CLARKSBURG, WV 26302-0390

Agent: SAMUEL S. SPATAFORE, II

Inspector: MIKE UNDERWOOD  
Permit Issued: 02/21/95  
Well work Commenced: 2/28/95  
Well work Completed: 3/7/95  
Verbal Plugging  
Permission granted on: N/A  
Rotary  Cable  Rig  
Total Depth (feet) 5200'  
Fresh water depths (ft) 200'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13-3/8	30'	--	None
9-5/8	841'	841'	CTS 330 ft. 3
4-1/2	---	5159	2500' 640 ft. 3

OPEN FLOW DATA

Producing formation Alexander, Benson, Riley Pay zone depth (ft) 3073-5049  
Gas: Initial open flow 750 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 1500 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation Bradford, Warren Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: RARE EARTH MINERALS, INC.

By: 

Date: 4-18-95

MAY 2 1995

ALEXANDER PERFORATED FROM 4998-5049 WITH 14 HOLES  
WATER FRAC WITH 35,000# OF 20/40 SAND AND 5,000# OF 80/100 SAND  
AT 30 BPM USING 407 BBL OF WATER AND 500 GAL 15% HCL ACID

BENSON, RILEY, BRADFORD PERFORATED FROM 3671-4724 WITH 13 HOLES  
WATER FRAC WITH 20,000# OF 20/40 SAND AND 5,000# OF 80/100 SAND  
AT 25 BPM USING 331 BBL OF WATER AND 500 GAS 15% HCL ACID

WARREN PERFORATED FROM 3073-3220 WITH 12 HOLES  
WATER FRAC WITH 25,000# OF 20/40 SAND AND 5,000# OF 80/100  
AT 25 BPM USING 363 BBL OF WATER AND 500 GAL 15% HCL ACID

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DRILLERS LOG

Sand & Shale & RR	0-350	1 INCH STREAM OF WATER @ 200'
Red Rock	350-355	
Sand & Shale & RR	355-1690	
Big Lime	1690-1744	
Sand	1744-1812	
Sand & Shale	1812-4715	
Benson	4715-4735	
Sand & Shale	4735-5200	TD
TD	5200	
E-LOG TOPS		
BIG LIME	1680-1770	
INJUN	1770-1848	
WARREN	3060-3256	
BRADFORD	4250-4330	
BENSON	4704-4744	
ALEXANDER	4964-5058	
TD	5222	

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
 Office of Oil & Gas  
 WELL WORK PERMIT APPLICATION

Issued 02/21/95  
 Expires 02/21/97

- 1) Well Operator: <sup>140</sup> Rare Earth Minerals, Inc. 40900 (8) 671
- 2) Operator's Well Number: Cheuvront/Farr No. 1 3) Elevation: 880
- 4) Well type: (a) Oil X/ or Gas X/
- (b) If Gas: Production X/ Underground Storage   /  
 Deep   / Shallow X/
- 5) Proposed Target Formation(s): <sup>439</sup> Alexander
- 6) Proposed Total Depth: 5500' feet
- 7) Approximate fresh water strata depths: 80 - 120
- 8) Approximate salt water depths: 1700
- 9) Approximate coal seam depths: 0
- 10) Does land contain coal seams tributary to active mine? Yes   / No X/
- 11) Proposed Well Work: Drill & stimulate New well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4"		47 lb	30'		
Fresh Water						
Coal						
Intermediate	8 5/8"		20 lb	880	880	CTS 15% Excess
Production	4 1/2"		10 1/2 lb		5450'	CTS 15% Excess
Tubing						
Liners						

38CSR18-N.3  
 38CSR18-N.4  
 10.6 m.u.  
 CTS 15% Excess

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only

1221/8  
 Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Blanket one.  Agent  
 (Type)

1) Date: November 21, 1994  
2) Operator's well number  
Cheuvront/Farr No. 1  
3) API Well No: 47 - 017 - 4182  
State - County - Permit

FEB 17

Permitting  
Office of Oil & Gas  
STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:  
(a) Name "E" Properties, Ltd.  
Address c/o David E. Bowyer  
P. O. Box 202  
(b) Name West Union, WV 26456  
Address (304) 782-2400  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

5) (a) Coal Operator:  
Name NONE  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name NONE  
Address \_\_\_\_\_  
Name NONE  
Address \_\_\_\_\_

6) Inspector Mike Underwood  
Address Rt. 2, Box 135  
Salem, WV 26426  
Telephone (304)- 782-1043

(c) Coal Lessee with Declaration  
Name NONE  
Address \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 8 on the above named parties, by:

- X Personal Service (Affidavit attached)
- \_\_\_\_\_ Certified Mail (Postmarked postal receipt attached)
- \_\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Rare Earth Minerals, Inc.  
By: \_\_\_\_\_  
Its: Designated Agent  
Address P. O. Box 390  
Clarksburg, WV 26302-0390  
Telephone (304) 622-4001

Subscribed and sworn before me this 21st day of November, 1994

Robert Gary Hall  
My commission expires September 28, 2001

