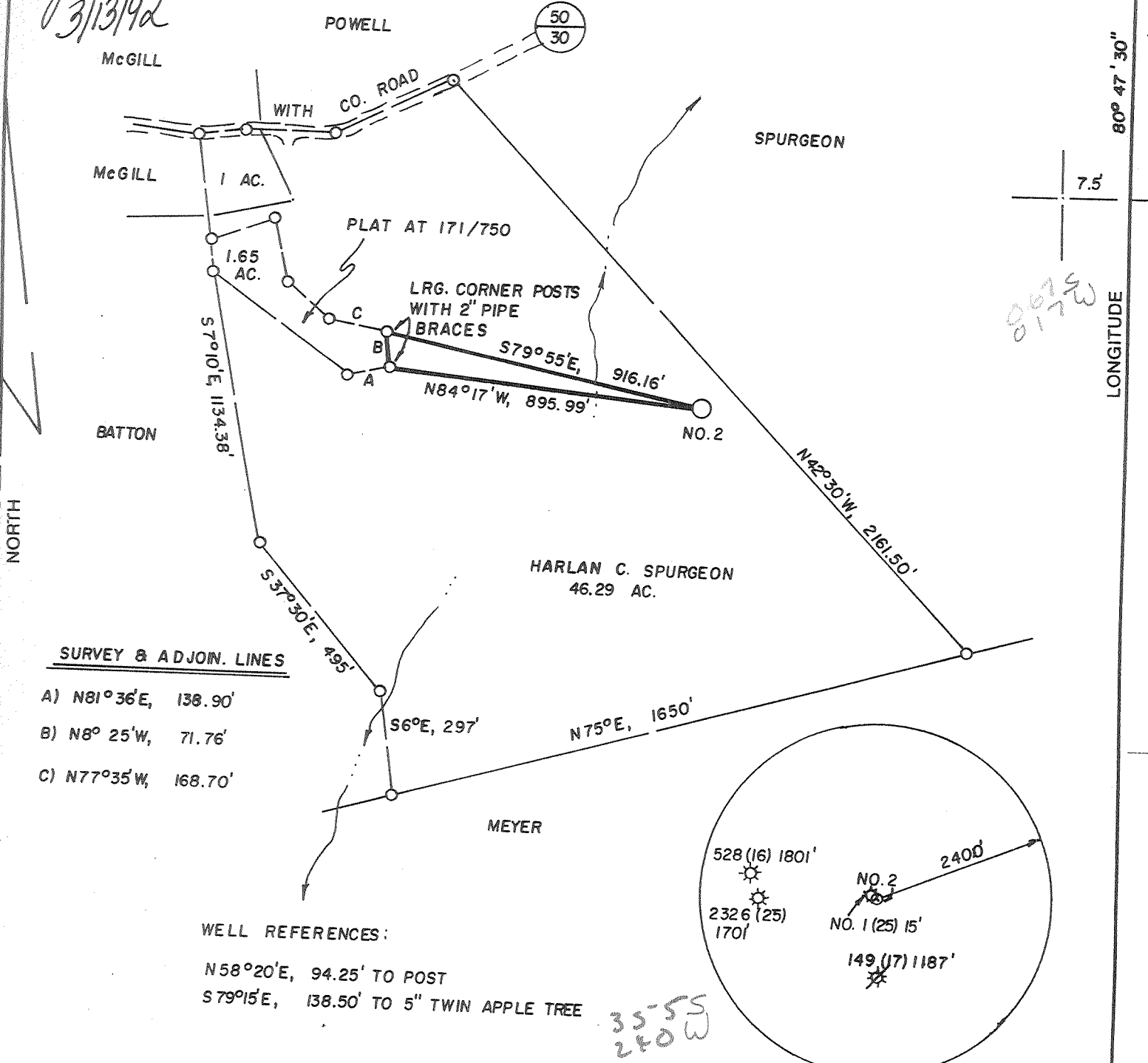


*Jamil*  
3/13/92

LATITUDE 39° 17' 30"

985'  
80° 47' 30"  
3525'



**SURVEY & ADJOIN. LINES**

- A) N81°36'E, 138.90'
- B) N8°25'W, 71.76'
- C) N77°35'W, 168.70'

**WELL REFERENCES:**

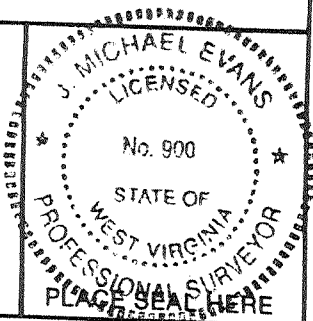
- N58°20'E, 94.25' TO POST
- S79°15'E, 138.50' TO 5" TWIN APPLE TREE

35-55  
2400

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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION RD. JCT. 1450' NW. OF LOC. AT ELEV. 1037'

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) J. Michael Evans  
 R.P.E. \_\_\_\_\_ L.L.S. NO. 900  
**J. MICHAEL EVANS**



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

DATE MARCH 10, 19 92  
 OPERATOR'S WELL NO. H. SPURGEON 2  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION 1125' WATERSHED MIDDLE ISLAND CREEK  
 DISTRICT WEST UNION 8 COUNTY DODDRIDGE  
 QUADRANGLE WEST UNION SE

SURFACE OWNER HARLAN C. SPURGEON  
 OIL & GAS ROYALTY OWNER HARLAN C. SPURGEON ACREAGE 46.29  
 LEASE NO. \_\_\_\_\_ LEASE ACREAGE 51.

PROPOSED WORK: DRILL X 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 SALT SAND ESTIMATED DEPTH 1900'  
 WELL OPERATOR RARE EARTH ENERGY, INC. DESIGNATED AGENT BRIAN A. HALL  
 ADDRESS P. O. BOX 172 ADDRESS P. O. BOX 172  
CLARKSBURG, WV 26301 ADDRESS CLARKSBURG, WV 26301

6.6 Smithton-Flint-Sedalia

COUNTY NAME  
PERMIT

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

Reviewed TMG  
Recorded \_\_\_\_\_

Well Operator's Report of Well Work

**RECEIVED**  
Office of Oil & Gas  
APR 28 92  
WV Division of  
Environmental Protection

SPURGEON, HARLEN C.

Operator Well No.: SPURGEON #2

LOCATION: Elevation: 1125.00    Quadrangle: WEST UNION

District: WEST UNION    County: DODDRIDGE  
Latitude: 3525 Feet South of 39 Deg. 17Min. 30 Sec.  
Longitude 985 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: RARE EARTH ENERGY, INC.  
P. O. BOX 172  
CLARKSBURG, WV 26301-0000

Agent: SAMUEL S. SPATAFORE

Inspector: MIKE UNDERWOOD  
Permit Issued: 03/16/92  
Well work Commenced: 3/17/92  
Well work Completed: 3/20/92  
Verbal Plugging  
Permission granted on: N/A  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 1910  
Fresh water depths (ft) 50' and  
560'  
Salt water depths (ft) None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8	141'	141'	CTS 59ft <sup>3</sup>
7"	1811'	1811'	CTS 325ft <sup>3</sup>

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

OPEN FLOW DATA

Producing formation Maxton    Pay zone depth (ft) 1850-1900  
Gas: Initial open flow 3.6M MCF/d    Oil: Initial open flow 0 Bbl/c  
Final open flow 3.5M MCF/d    Final open flow 0 Bbl/c  
Time of open flow between initial and final tests 2 Hours  
Static rock Pressure 580 psig (surface pressure) after 2 Hours

Second producing formation N/A    Pay zone depth (ft) N/A  
Gas: Initial open flow N/A MCF/d    Oil: Initial open flow N/A Bbl/c  
Final open flow N/A MCF/d    Final open flow N/A Bbl/c  
Time of open flow between initial and final tests N/A Hours  
Static rock Pressure N/A psig (surface pressure) after N/A 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 ENERGY, INC.  
By: [Signature]  
Date: 4-2-92

MAY 01 1992

## Completion Information

NONE

<u>Formation</u>	<u>Color</u>	<u>Hard/Soft</u>	<u>Top/Bottom</u>	<u>Comments</u>
Clay	Red	Med	10/15	
Sdy. Shale	Gray	Med	15/86	
Red Rock	Red	Soft	86/90	
Sdy. Shale	Gray	Med	90/215	
Sand	L. Gray	Hard	215/228	
Sdy. Shale	Gray	Med	228/350	
Red Rock	Red	Soft	350/370	
Sdy. Shale	Gray	Med	370/380	
Red Rock	Red	Soft	380/388	
Sdy. Shale	Gray	Med	388/504	
Red Rock	Red	Soft	504/540	
Sand	W	Hard	540/629	
Shale	Gray	Med	629/710	
Sand	L. Gray	Hard	710/723	
Shale & Sand	Gray	Med	723/870	
Red Rock	Red	Soft	870/903	
Sdy. Shale	Gray	Med	903/1095	
Sand	L. Gray	Hard	1095/1125	
Shale & Sand	Gray	Med	1125/1220	
Red Rock	Red	Soft	1220/1225	
Sdy. Shale	L. Gray	Med	1225/1371	
Sand	L. Gray	Hard	1371/1428	
Sdy. Shale	Gray	Med	1428/1476	
Shale	Brown	Soft	1476/1481	
Sdy. Shale	Gray	Med	1481/1851	
Sand	W	Hard	1851/1887	

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Maxton 1850-1886

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9745