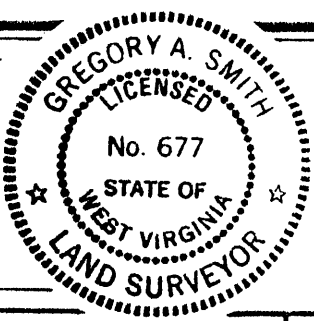
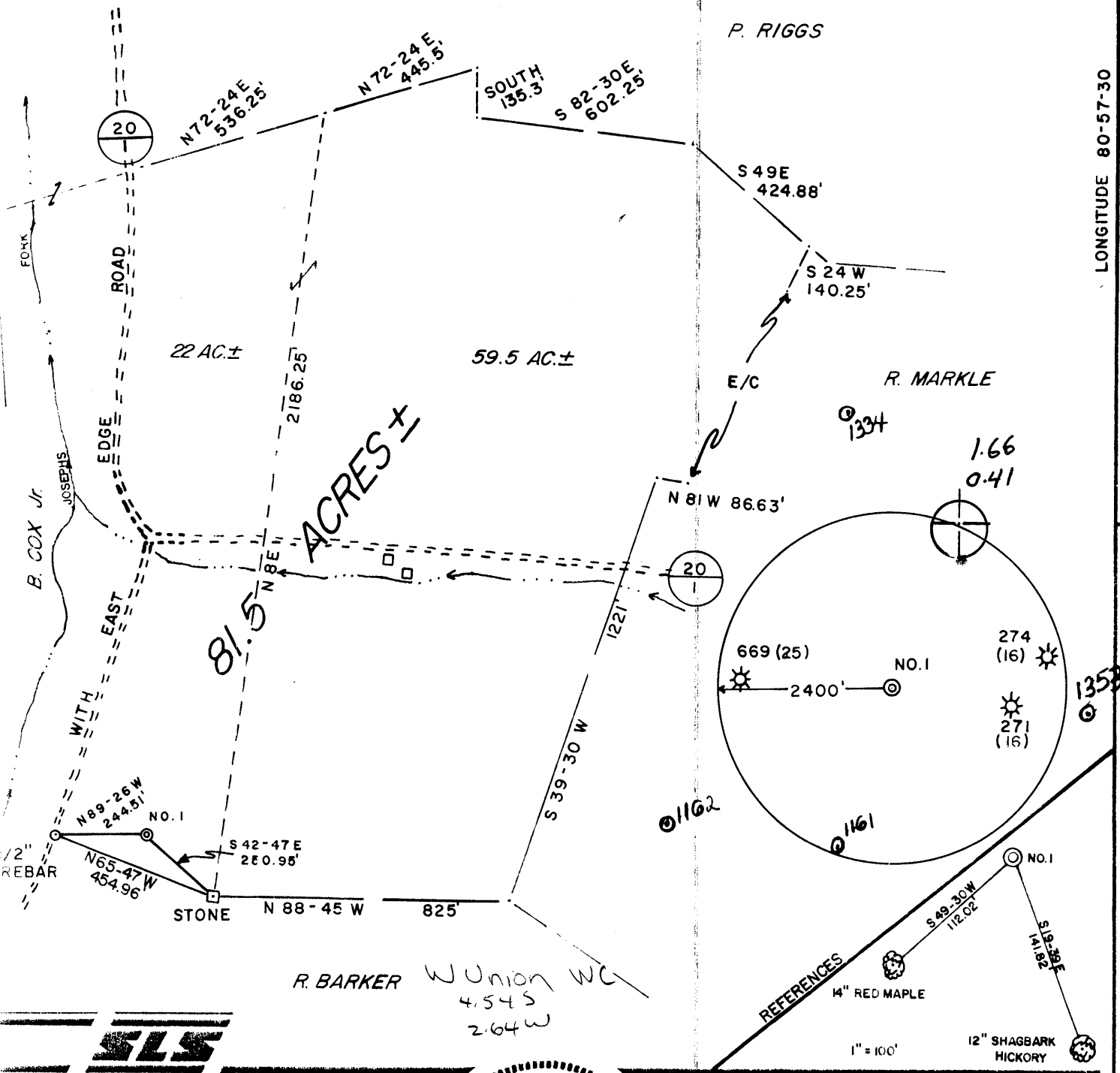


# RICHARDS LEASE WELL NO. 1

*Jamie 11/20/89*

LATITUDE 39-22-30

LONGITUDE 80-57-30



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.

L.S. Gregory A. Smith  
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE NOVEMBER 1, 1989  
OPERATORS WELL NO. RICHARDS NO. 1  
API WELL NO. 47 - 095 - 1354  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2174 (30-24)  
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEV. 837' SCALE 1" = 400'

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 950' WATERSHED JOSEPHS FORK West Union W.V.  
DISTRICT MEADE 4 COUNTY TYLER QUADRANGLE PENNSBORO 7.5'

SURFACE OWNER SYLVIA RICHARDS ACREAGE 81.5  
ROYALTY OWNER SYLVIA RICHARDS ET. AL. LEASE ACREAGE 81.5

PROPOSED WORK: LEASE NO. \_\_\_\_\_  
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER \_\_\_\_\_  
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION BENSON  
ESTIMATED DEPTH 5000'

WELL OPERATOR CHESTERFIELD ENERGY CORP. DESIGNATED AGENT SAMUEL J. CANN  
ADDRESS 203 WEST MAIN ST., CLARKSBURG, WV 26301 ADDRESS 203 WEST MAIN ST. CLARKSBURG, WV 26301  
NOV 30 1989

COUNTY NAME PERMIT

State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

JAN 16 90

Well Operator's Report of Well Work

Farm name: RICHARDS, SYLVIA Operator Well No.: RICHARDS #1

LOCATION: Elevation: 950.00 Quadrangle: PENNSBORO

District: MEADE County: TYLER  
Latitude: 8900 Feet South of 39 Deg. 22Min. 30 Sec.  
Longitude 2170 Feet West of 80 Deg. 57 Min. 30 Sec.

Company: CHESTERFIELD ENERGY CORP.  
203 WEST MAIN STREET  
CLARKSBURG, WV 26301-0000

Agent: SAMUEL J. CANN

Inspector: GLEN P. ROBINSON  
Permit Issued: 11/22/89  
Well work Commenced: 12/11/89  
Well work Completed: 12/17/89  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary  Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 4987'  
Fresh water depths (ft) 80'  
Salt water depths (ft) None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	40'	40'	
8 5/8		1132'	
4 1/2		4895'	200 sks

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

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow -0- MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 231 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 1225 psig (surface pressure) after 72 Hours

Second producing formation \_\_\_\_\_ 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: Samuel J. Cann  
CHESTERFIELD ENERGY CORP.  
By: [Signature]  
Date: January 5, 1990

JAN 19 1990

Frac Information

Benson 8,000# 80/100, 50,000# 20/40  
694 BBLS Water

Drilling Information

Sand & Shale	0	114	Hole damp @ 80'
Shale	114	120	
Sand	120	358	
Sand & Shale	358	570	
Sand	570	815	
Red Rock	815	950	
Sand	950	1170	
Sand & Shale	1170	1352	
Sand & Shale	1352	1446	
Shale	1446	1790	
Big Lime	1790	1880	
Injun	1880	2000	
Shale	2000	2248	
Weir	2248	2326	
Sand & SHale	2326	2790	
Gordon	2790	2882	
Shale	2882	3352	
Balltown	3352	3400	
Shale	3400	4812	
Benson	4812	4820	
Shale	4820	4987	
TD	4987		

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

Issued 11/22/89  
Expires 11/22/91

- 1) Well Operator: CHESTERFIELD ENERGY CORPORATION <sup>163</sup> 9550 (4) 538
- 2) Operator's Well Number: RICHARDS WELL NO. 1 3) Elevation: 950'
- 4) Well type: (a) Oil  / or Gas  /  
(b) If Gas: Production  / Underground Storage  /  
Deep  / Shallow  /
- 5) Proposed Target Formation(s): Benson 435
- 6) Proposed Total Depth: 5000 feet
- 7) Approximate fresh water strata depths: 122', 147', 70', 212'
- 8) Approximate salt water depths: 1242'-1253' N/A 1495', 1467'
- 9) Approximate coal seam depths: <sup>possible</sup> Coal Blossom 607'-608' N/A
- 10) Does land contain coal seams tributary to active mine? Yes  / No  /
- 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"			30'	0'	0 Sacks
Fresh Water	8-5/8"			1100'	1100'	CTS by 38 CSR 18-11.3
Coal						38 CSR 18-11.3
Intermediate						
Production	4-1/2"			5000'	5000'	CTS or by 38 CSR 18-11.1
Tubing						
Liners						

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

RECEIVED  
NOV 17 1989

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

8946  
29  
Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Blanket sure  Agent  
(Type)

**RECEIVED**  
NOV 17 1989

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

1) Date: November 4th, 1989  
2) Operator's well number  
RICHARDS WELL NO. 1  
3) API Well No: 47 - 095 - 1354  
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
  - (a) Name Sylvia Richards  
Address 107 West Penn Avenue  
Pennsboro, WV 26415
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Glen P. Robinson  
Address Rt.1, #6 Mt. Pleasant Est.  
Mineralwells, WV 26150  
Telephone (304)-489-2736

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  
XX 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 7 on the above named parties, by:

- \_\_\_\_ 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 Chesterfield Energy Corporation  
By: [Signature]  
Its: Vice President Land and Contracts  
Address 203 West Main Street  
Clarksburg, WV 26301  
Telephone 623 - 5467

Subscribed and sworn before me this 6th day of November, 19 89

[Signature] Notary Public  
My commission expires June 14, 1994