

**WESTFALL LEASE  
WELL NO. 4**

**94 ACRES ±**

NOTE: NO WELLS SHOWN WITHIN 1200'

FILE NO. 10-11  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1 / 200  
 PROVEN SOURCE OF ELEVATION WESTFALL WELL NO. 1  
 ELEV. 784'

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 MINES.  
 (SIGNED) Gregory A. Smith  
 R.P.E. \_\_\_\_\_ L.L.S. 677

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6  
 (8-78)



DATE DEC. 31, 1982  
 OPERATOR'S WELL NO. 4  
 API WELL NO. 47-107-1256  
 STATE COUNTY PERMIT

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

*Cancelled.*

WELL TYPE OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION ELEVATION 855' WATERSHED LITTLE STILLWELL CREEK  
 DISTRICT CLAY COUNTY WOOD  
 QUADRANGLE KANAWHA 7.5  
 SURFACE OWNER W. K. WESTFALL et. ux. ACREAGE 94  
 OIL & GAS ROYALTY OWNER W. K. WESTFALL, et. ux. LEASE ACREAGE 212.5  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR  
 STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW  
 FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

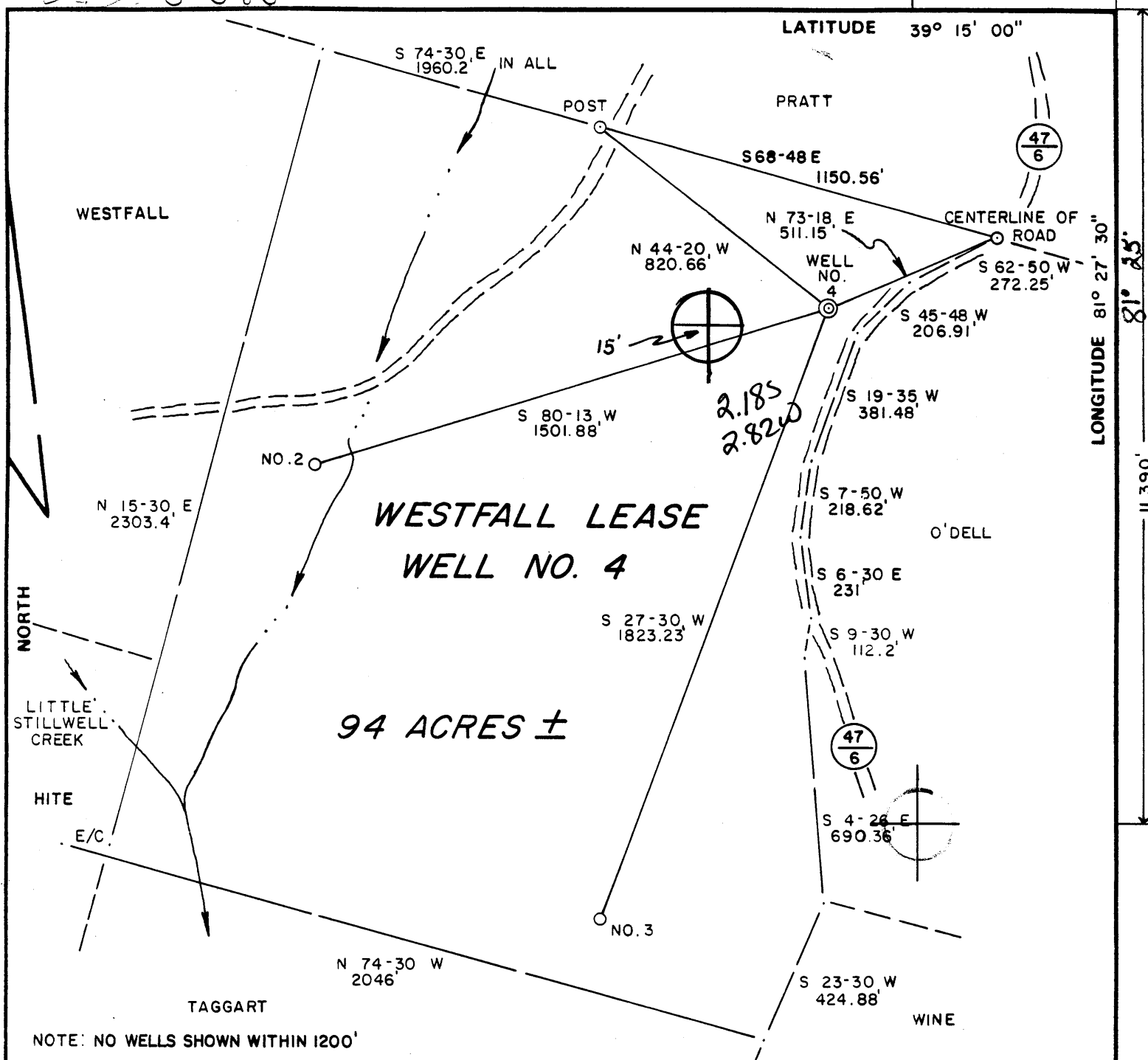
**OCT 15 1984**

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 5000'  
 WELL OPERATOR APPCO OIL & GAS CORP. DESIGNATED AGENT RICHARD H. BRUMBAUGH  
 ADDRESS 100 S. ORANGE ST. SUITE 909 ADDRESS 212 COURT ST.  
ORLANDO, FL. 32807 SPENCER, W. V. 25276

W007 1256

2840'

5-3-83



LONGITUDE 81° 27' 30"

11,390'

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(SIGNED) Gregory A. Smith  
 R.P.E. \_\_\_\_\_ L.L.S. 677

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 FORM IV-6  
 (8-78)



DATE DEC. 31, 1982  
 OPERATOR'S WELL NO. 4  
 API WELL NO. \_\_\_\_\_  
47 - 107 - 1256  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 855' WATER SHED LITTLE STILLWELL CREEK  
 DISTRICT CLAY COUNTY WOOD  
 QUADRANGLE KANAWHA 7.5' Ely 15' NW  
 SURFACE OWNER W. K. WESTFALL et ux. ACREAGE 94  
 OIL & GAS ROYALTY OWNER W. K. WESTFALL, et ux. LEASE ACREAGE 212.5  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

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 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 5000'  
 WELL OPERATOR APPCO OIL & GAS CORP. DESIGNATED AGENT RICHARD H. BRUMBAUGH  
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ORLANDO, FL. 32807 SPENCER, W. V. 25276

MAY 09 1983

WOOD 1256



1) Date: April 10, 1982  
 2) Operator's Well No. Postfall 24  
 3) API Well No. 47 State West Virginia County Putnam Permit         

DRILLING CONTRACTOR:

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil          / Gas          /  
 B (If "Gas", Production          / Underground storage          / Deep          / Shallow         )
- 5) LOCATION: Elevation:          Watershed:           
 District:          County:          Quadrangle:
- 6) WELL OPERATOR          11) DESIGNATED AGENT           
 Address          Address
- 7) OIL & GAS ROYALTY OWNER          12) COAL OPERATOR           
 Address          Address
- 8) SURFACE OWNER          13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
 Address          Name           
 Acreage          Address           
 Name
- 9) FIELD SALE (IF MADE) TO:  
 Address          Name           
 Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name          14) COAL LESSEE WITH DECLARATION ON RECORD:  
 Address          Name           
 Address
- 15) PROPOSED WORK: Drill          / Drill deeper          / Redrill          / Fracture or stimulate           
 Plug off old formation          / Perforate new formation           
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION,
- 17) Estimated depth of completed well,          feet
- 18) Approximate water strata depths: Fresh,          feet; salt,          feet.
- 19) Approximate coal seam depths:          Is coal being mined in the area? Yes          / No

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	21 7/8"							BACK TO TOP AGE	Kinds
Fresh water								FILL AS REQ'D	
Coal									Sizes
Intermediate									
Production	2 1/2"							25 SACKS	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

- 21) EXTRACTION RIGHTS  
 Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 22) ROYALTY PROVISIONS  
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes  No   
 If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.
- 23) Required Copies (See reverse side.)
- 24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.
- Notary:          Signed:           
 My Commission Expires          Its:

OFFICE USE ONLY  
DRILLING PERMIT

Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires          unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
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Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.