

dh 11/15/80

39° 25'

Latitude 39° 22' 30"

14,900' SOUTH
6 100' WEST

Longitude 81° 25' 00"

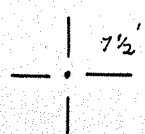
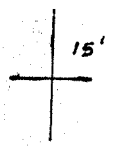
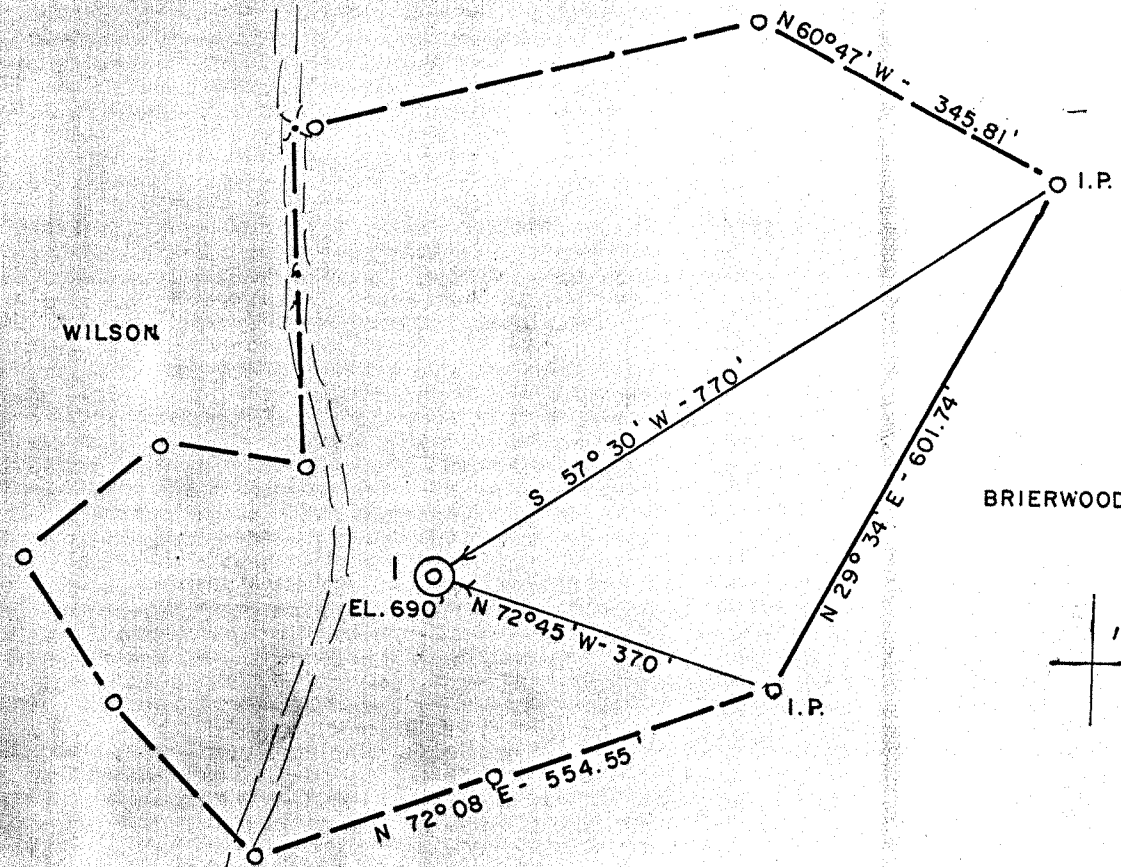
BURNHOUSE ROAD

BRIERWOOD

WILSON

BRIERWOOD

BRIERWOOD



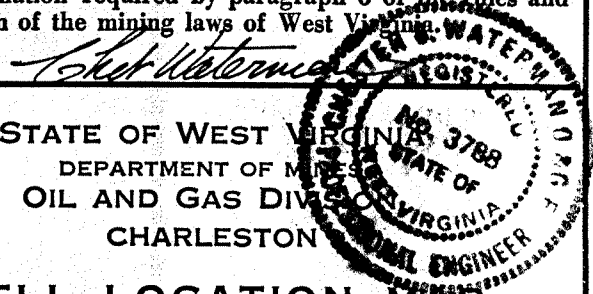
ACCURACY: 1' / 200'

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill
- Other

Formation SHALE Oil
 Est. Depth 4000' Gas
 Other

Source of Elevation B.M. ON ROUTE 2 (792')

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.



Company W.C. HURT DRILLING COMPANY
 Address PITTSBURGH, PENNSYLVANIA
 Surface Owner E.N. HITT (10.02 AC) R. CUNNINGHAM (5.09 AC)
 Mineral Owner " " " " "

Well No. 1 Acres 15.11
 Elevation 690'
 Quadrangle VALLEY MILLS Series 7.5'
 County WOOD District WILLIAMS
 Date 11/3/80 Scale 1" = 200'

WELL LOCATION MAP
47 - 107 - 1103
 STATE COUNTY PERMIT
Cancelled
 + Denotes location of well on United States Topographic Maps.
 Engineer CHET WATERMAN SEP 24 1990
 Engineer's Registration No. 3788 File No. 80-669

4000' DEEPER SHALE

CSD

Ch

11/15/80

39° 25'

Latitude 39° 22' 30"

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6 100' WEST

Longitude 81° 25' 00"

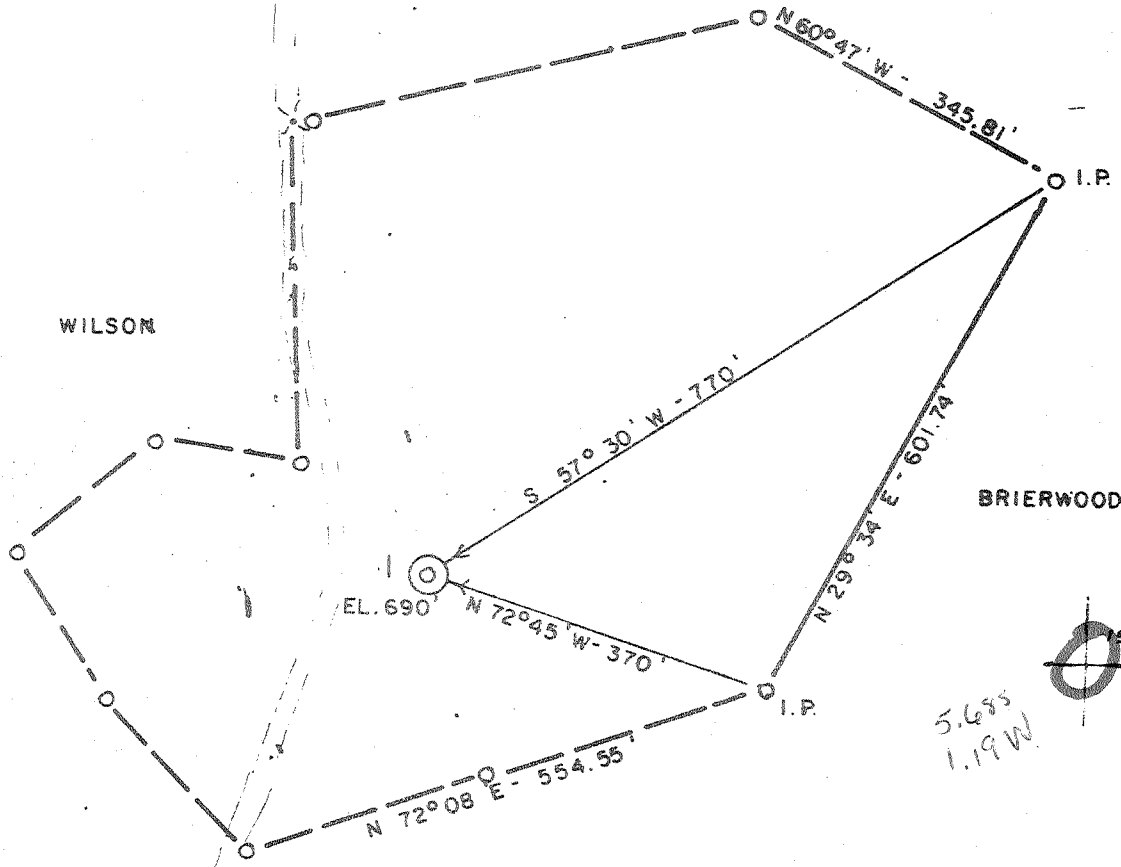
BURNTHOUSE ROAD

BRIERWOOD

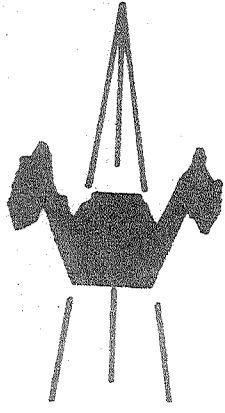
WILSON

BRIERWOOD

BRIERWOOD



5.685
1.19 W



ACCURACY: 1/200'

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill
- Other

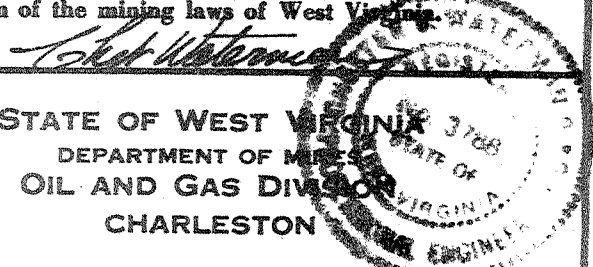
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Address PITTSBURGH, PENNSYLVANIA

Surface Owner E.N. HITT (10.02 AC) R. CUNNINGHAM (5.09 AC)

Mineral Owner " " " " "

Well No. 1 Acres 15.11

Elevation 690' Mount

Quadrangle VALLEY MILLS Series 7.5' W.C.

County WOOD District WILLIAMS

Date 11/3/80 Scale 1" = 200'

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

WELL LOCATION MAP
47 - 107 - 1103
STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.
Engineer **CHET WATERMAN**
Engineer's Registration No. 3788 File No. 80-669

4000' DEVONIAN SHALE

DEC 19 1980

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. Hitt-Cunningham

API Well No. 47 - 107 - 1103
State WV County Wood Par

WELL TYPE: Oil X / Gas X /
(If "Gas", Production X / Underground storage / Deep / Shallow)
LOCATION: Elevation: 690' Watershed: Hogland Run
District: Williams County: Wood Quadrangle: Valley Mills 7.5

WELL OPERATOR W. C. Hurtt Drilling Co.
Address 1305 Grant Building
Pittsburgh, PA 15219

DESIGNATED AGENT P. J. Burns
Address P. O. Box 5325
Vienna, WV 26105

OIL & GAS ROYALTY OWNER E.N.Hitt and R.Cunningham
Address Rt. 1, Box 249
Parkersburg, W.Va. 26101

COAL OPERATOR None
Address:

Acreage 10.02 and 5.09 Ac., respect.
SURFACE OWNER E.N.Hitt and R.Cunningham
Address Same

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name
Address

Acreage 10.02 and 5.09 Ac., respect.

Name
Address

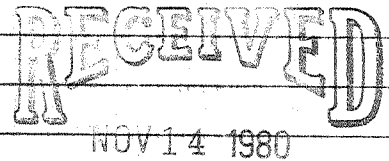
FIELD SALE (IF MADE) TO:

Name
Address

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED

Name Paul Goodnight
Address Smithville, WV



OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under 2/X deed / lease SX / other contract / dated 24th Oct., 1980, by undersigned well operator from E. N. Hitt and R. Cunningham

[If said deed, lease, or other contract has been recorded:]
Recorded on 11/7, 1980, in the office of the Clerk of the County Commission of Wood County, West Virginia, in Lease Book 746 at page 492,494. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

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.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1616 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

W. C. Hurtt Drilling Company
Well Operator
By Patrick J. Burns
Patrick J. Burns - Agent

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DILLING CONTRACTOR (IF KNOWN) Clint Hurt & Associates

Address Box 388

Elkview, WV 25071

GEOLOGICAL TARGET FORMATION, Devonian Shale

Estimated depth of completed well, 4,000 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 60 feet; salt, 1500 feet.

Approximate coal seam depths: None Is coal being mined in the area? Yes / No X /

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	Kinds
conductor	9-5/8		20	X		250	250	Cmt. to Surf	Kinds
fresh water									
coal									Sizes
intermediate	7		17.0	X		1900	200	Cmt. 100'	
production	4-1/2	ERW	10.5	X			4000	400 SKs of	Depths set
tubing								as reqd by	
liners								rule 15.01	Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such **THIS PERMIT MUST BE POSTED AT THE WELL SITE** on Form IV-2 filed in connection therewith.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 7-18-81

J. G. Hussey
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

By
Its