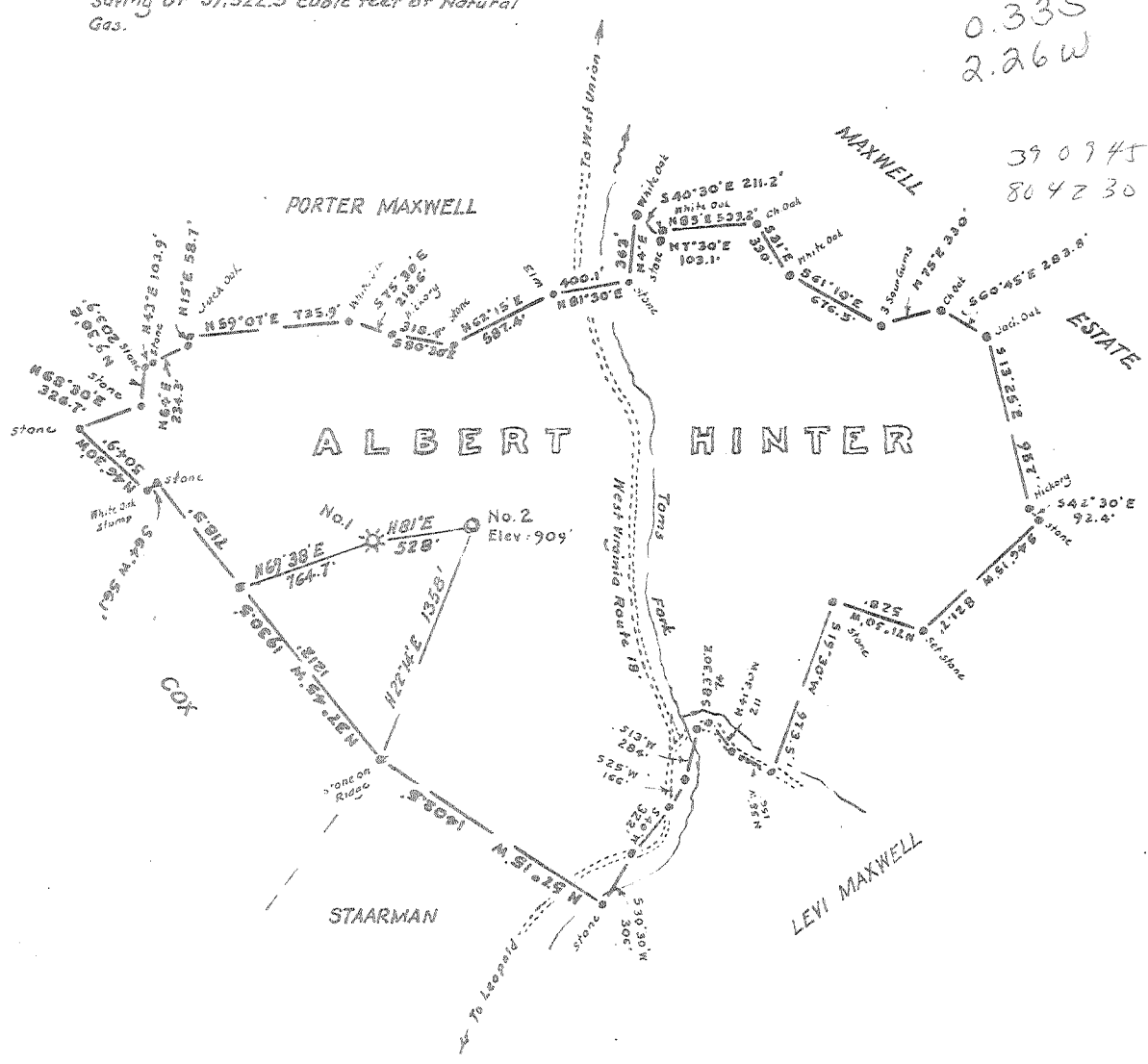


" LETS HELP JIMMY "

Drawing Ink is made from Carbon Black
 Carbon Black is made from Natural Gas.
 Jimmy's Helpers, Slessenger and Co have
 estimated that reducing the scale of
 all maps by one half will save 3 1/2 gallons
 of drawing ink annually, resulting in a
 saving of 37,522.5 cubic feet of Natural
 Gas.

0.33S
 2.26W

39 07 45
 80 42 30



Fee ownership is vested in Albert Hinter

Minimum Error of Closure 1 in 200'

Source of Elevation Elev. Well No. 1 = 913

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

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.

Signed: [Signature]
 Squares: N S E W

Company BROWN & PETHEL OIL CO
 Address P.O. Box 21, St Mary's, West Va
 Farm Albert Hinter
 Tract _____ Acres 235.72 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 909
 Quadrangle New Milton 7 1/2, Vadsis 15' WC
 County Doddridge District New Milton
 Engineer [Signature]
 Engineer's Registration No. 1227 LLS No. 200
 File No. _____ Drawing No. _____
 Date April 16, 1976 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. DOD-1860

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing. 47-017



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD 7

Quadrangle _____
Permit No. Dodd-1860
47-017

Rotary _____ Oil _____
Cable Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company <u>Brown and Pethtel oil and gas Co.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>111 Layette St. St. Marys W. Va.</u>				
Farm <u>Winterer</u> Acres <u>235.72</u>	Size			
Location (waters) <u>Toms, Pork</u>	20-16			
Well No. <u>22</u> Elev. <u>909</u>	Cond.			
District <u>New Milton</u> County <u>Doddridge</u>	10" 10"	400		
The surface of tract is owned in fee by _____	9 5/8			
Address _____	8 5/8			
Mineral rights are owned by _____	7		1460	1503SKS
Address _____	5 1/2	1560		
Drilling Commenced <u>Oct. 10, 1977</u>	4 1/2			
Drilling Completed <u>Sept. 19, 1978</u>	3		2821	97SKS
Initial open flow <u>200,000</u> cu. ft. _____ bbls.	2			
Final production <u>200,000</u> cu. ft. per day _____ bbls.	Liners Used			
Well open _____ hrs. before test _____ RP.				

Well treatment details: _____ Attach copy of cementing record.
Well fractured from 1970-2010-2090-2155 Date fracted 8-29-78
900BBLs sand and 40,000lbs sand

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand INJUN Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top soil			0	4		
Creek gravel			4	13	water	
Gray and red shale mixed			13	313		
Limestone gray			313	318		
Red and gray			318	425		
Sand stone			425	495		
Gray shale			495	520		
Lime shale			520	600		
Lime stone			600	625		
Gray shale			625	670		
Sand stone			670	695		
Red shale			695	750		
Sand stone			750	785		
Shale			785	860		
Shale			860	890		
Sand stone			890	900		

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OIL & GAS DIVISION
DEPT. OF MINES

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			900	1075		
Lime stone			1075	1105		
Shale			1105	1135		
Sand stone			1135	1195		
Shale			1195	1245		
Sand stone			1245	1287		
Shale			1287	1300		
Sand stone			1300	1335		
Shale			1335	1435		
Sand stone			1435	1465		
1460 Ft. 7" casing						Cemented from top to Bottom
Lime stone			1465	1520		
Shale			1520	1570		
Blue monday sand			1570	1670		Show of gas 75,000
Shale			1670	1975		
Big lime			1975	2050		
Kegner sand			2050	2070		
Big injan sand			2070	2155		Show gas
Shale			2155	2247		
Squaw sand			2247	2285		
Shale			2285	2300		
Weir sand			2300	2347		
Shale			2347	2440		
Berea sand			2440	2455		
Shale			2455	2650		
Sandy shale			2650	2800		
Gordon sand			2800	2821		Broke up

2821
2155

666 Exp. Ft.

Date _____, 19__

APPROVED _____, Owner

By _____ (Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
MAY 24 1977

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE May 24, 1977

Surface Owner Albert Hinters

Company Brown & Pothtel Oil Co

Address New Milton W. Va.

Address Box 21, St. Marys, WV

Mineral Owner Albert Hinters

Farm Albert Hinters Acres 235.72

Address New Milton W. Va.

Location (waters) Iron Fork

Coal Owner _____

Well No. 2 Elevation 909

Address _____

District New Milton County Hodddridge

Coal Operator _____

Quadrangle New Milton

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

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 9-24-77.

Robert P. Pothtel
Deputy Director - Oil & Gas Division INSPECTOR TO BE NOTIFIED Paul Garrett

GENTLEMEN: PH: 622-3871 ADDRESS Clarksburg, W. Va.

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated Feb. 22 1974 by Albert Hinters made to Zedack Pothtel and recorded on the Feb. day of 25 1974, in Hodddridge County, Book 98 Page 373
yes NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505

Very truly yours,
(Sign Name) Zedack Pothtel
Well Operator
Box 21
Street
St. Marys
City or Town
West Va
State

*SECTION 3. . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BOND DRILL

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO DRILL DEEPEN FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME Zebock Pettkel
 ADDRESS _____ ADDRESS P.O. 3 New Matamoros, D. 45767
 TELEPHONE _____ TELEPHONE 865-3813
 ESTIMATED DEPTH OF COMPLETED WELL: 5000 ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL _____ GAS _____ COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10	450	450	To Surface
9 - 5/8			
8 - 5/8	450	#	
7			
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? _____ BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title