



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.

Chet Waterman

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

Company J. & E. DRILLING & DEV. CO. Agent For
 Address TRENTON, N.J. Big Apple Oil & Gas Assoc.
 Farm W. H. KRESS, VANCE HEWITT
 Tract _____ Acres 70 Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 955'
 Quadrangle ELIZABETH *NC*
 County WOOD District WALKER
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 78003-126 Drawing No. _____
 Date 8/22/78 Scale 1" = 20P

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

WELL LOCATION MAP
 FILE NO. W00-857

+ Denotes location of well on United States Topographic Maps, scale 1 to 82,500, latitude and longitude lines being represented by border lines as shown.

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

47-107 SEP 19 1978

2475' Berea 66 Waverly (72)



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD 20

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

Quadrangle Eliz.

Permit No. Wood-857 (47-107)

Company Big Apple Oil & Gas Associates
Address P.O. Box 5003 Trenton N.J. 08638
Farm W.H.Kress Acres 70
Location (waters) Stillwell Creek
Well No. 2# Elev. 955'
District Walker County Wood
The surface of tract is owned in fee by Vance Hewitt
R.F.D. Walker 26180
Address _____
Mineral rights are owned by Vance Hewitt
Address R.F.D. Walker West Va.
Drilling Commenced Sept. 13th 1978
Drilling Completed Nov. 1st. 1978
Initial open flow Show cu. ft. Show bbls.
Final production 30M cu. ft. per day 2 bbls.
Well open None hrs. before test 450' RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16	20'	None	
Cond. 13-10"	350'	350'	To Surface
9 5/8			
8 5/8	1250'	None	
7	2050'	None	
5 1/2			
4 1/2	2436'	2436'	Appox 500' Fill Up 70Sks.
3			
2		2405'	
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well Fractured with 1000 bbl's Water & Nitrogen & 60,000 Sand

Coal was encountered at None Feet _____ Inches _____
Fresh water Surface Feet _____ Salt Water Hole Full Feet 1850' To 1950'
Producing Sand Berea Depth 2387 To 2390'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface	Top Soil	X	0'	10'		
R. Rock	Rd.	X	10'	40'		
W. Slate	Wh.	X	40'	90'		
R. Rock	Rd.	X	90'	145'		
W. Slate	Wh.	X	145'	200'		
R. Rock	Rd.	X	200'	310'		
W. Slate	Wh.	X	310'	360'		
R. Rock	Rd.	X	360'	445'		
W. Slate	Wh.	X	445'	465'		
Sand	Wh.	X	465'	475'		
R. Rock.	Rd.	X	475'	545'		
B. Slate	Bk.	X	545'	625'		
R. Rock	Rd.	X	625'	680'		
Sand	Wh.	X	680'	720'		
B. Slate	Bk,	X	720&	745'		
R. Rock	Rd.	X	745'	760'		
B. Slate	Bk	X	760'	810'		
R. Rock	Rd.	X	810'	825'		
Sand	Wh.	X	825'	895'		
R. Rock	Rd.	X	895'	1000'		
W. Slate	Wh.	X	1000'	1030'		
R. Rock	Rd.	X	1030'	1080'		
Bk. Slate	Bk.	X	1080'	1100'		
Lime	Gy.	X	1100'	1135'		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet <i>20</i>	Bottom Feet	Oil, Gas or Water	* Remarks
Sand	Wh.	X	1135'	1165'		
W.Slate	Wh.		1165'	1205'		
R.Rock	Rd.		1205'	1210'		
Sand	Wh.	X	1210'	1335'		
Lime Shell's		X	1335'	1395'		
Sand	Wh.	X	1395'	1560'		
B.Slate	Ek.		1560'	1720'		
Sand	Wh.	X	1720'	1790'	Show Oil & Gas	1735'
B.Slate	Ek.		1790'	1800'		
Sand	Wh.		1800'	1940'	Hole Full Water	1850' to 1950'
B.Slate	Ek.		1940'	1950'		
Sand	Wh.	X	1950'	1995'		
Slate	Ek.		1995'	2387'		
Sand	Wh.	X	2387'	2390'	Berea Sand Two Ft. Hard *	
Slate	Ek.		2390'	2436'	T.D.	
				2436'		

Date Dec 29th, 19 78

APPROVED Big Apple Oil & Gas Owner

By Henry C. Currier

(Title) Field Sup. W. J. Perkins



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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AUG 9 1 1978

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE August 28th 1978
Company J. & E. Drilling & Dev. Co. Agent For
Big Apple Oil & Gas Associates,
Address P.O. Box 5003 Trenton New Jersey 08638
Farm W.H.Kress Acres 70
Location (waters) Still well Creek
Well No. Two Section 2# Elevation 955'
District Walker County Wood
Quadrangle Elizabeth

Surface Owner Vance Hewitt,
Address Walker RFD. 2#
Mineral Owner Same
Address RFD 2# Walker West Va. 26180
Coal Owner _____
Address _____
Coal Operator _____
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 1-1-79.

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Goodnight
PH: 477-3660 ADDRESS Smithville, W. Va.

GENTLEMEN:

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 27th April 1978 by J. & E. Drilling & Dev. Co. made to Big Apple Oil & Gas Associates and recorded on the 27th day of April 1978, in Wood County, Book 708 Page 336

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, E. C. Currey Jr.

(Sign Name) E. C. Currey Jr.
Well Operator
Pullman West Va, 26421

Address
of
Well Operator

Street
J. & E. Drilling & Dev. Co. Agent For
Big Apple Oil & Gas Associates,
City or Town
P.O. Box 5003 Trenton New Jersey 08638
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.

BLANKET BOND

WOO-857

PERMIT NUMBER

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Unknown _____ NAME E. C. Currey Jr. _____
 ADDRESS _____ ADDRESS Pullman West Va. 26421 _____
 TELEPHONE _____ TELEPHONE 304-659-2823 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 2475' _____ ROTARY _____ CABLE TOOLS ? _____
 PROPOSED GEOLOGICAL FORMATION: Berea _____
 TYPE OF WELL: OIL _____ GAS _____ COMB. X 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	20'	None	
13 - 10	300'	None 300'	To Surface
9 - 5/8			
8 - 5/8	1250'	None	
7	2050'	None	
5 1/2			
4 1/2		2475'	Approx 500' Fill up
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS Surface FEET _____ SALT WATER 2030' FEET hole full
 APPROXIMATE COAL DEPTHS None _____
 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