



LATITUDE 39° 25'

LONGITUDE 81° 30'

Minimum Error of Closure 1 in 200'

Source of Elevation Elev. 0.4 mi. NW at old Electric

R.R. Track - 633'

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.

- Fracture
- New Location
- Drill Deeper
- Abandonment

Signed: Matthew J. [Signature]  
 Map No. \_\_\_\_\_ Squares: N S E W

Company SYNDEX, INC.  
 Address 224 Washington St. Boston, Mass.  
 Farm Virgie Stephens  
 Tract Acres 64.9 Lease No. \_\_\_\_\_  
 Well (Farm) No. One Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 700 EC  
 Quadrangle Parkersburg, W. Va - Ohio  
 County Wood District Williams  
 Engineer Matthew J. [Signature]  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Nov. 27, 1973 Scale 1" = 300' = 425'

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

WELL LOCATION MAP  
 FILE NO. Woo-644

+ 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. 47-107



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

- Spudder
- Cable Tools
- Storage

Parkersburg, West Va.

Quadrangle W00-644

WELL RECORD

Oil or Gas Well both (KIND)

Permit No. \_\_\_\_\_

Company **Syndex Inc.**  
 Address **294 Washington St. Boston Mass.**  
 Farm **Virgie Stephens** Acres **64.9**  
 Location (waters) **Briscoe Run**  
 Well No. **1** Elev. **(704)**  
 District **Williams** County **Wood**  
 The surface of tract is owned in fee by **Virgie Stephens**  
 Address **Parkersburg, W va.**  
 Mineral rights are owned by **same**  
 Address \_\_\_\_\_  
 Drilling commenced **1-15-74**  
 Drilling completed **1-15-75**  
 Date Shot **Feb. 8, 1974** To **2296**  
 With **11 .47 holes**  
 Open Flow /10ths Water in \_\_\_\_\_ Inch  
 /10ths Merc. in \_\_\_\_\_ Inch  
 Volume \_\_\_\_\_ Cu. Ft.  
 Rock Pressure **unknown** lbs. \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 WELL ACIDIZED (DETAILS) \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 WELL FRACTURED (DETAILS) **4 th. Sand 80,000 lbs. sand 1400 bbls. of water**  
**Berea 30,000 sand 650 bbls. water**  
 RESULT AFTER TREATMENT (Initial open Flow or bbls.) **1,900 gas** **5 bbl oil/day**  
 ROCK PRESSURE AFTER TREATMENT **730** HOURS **30**  
 Fresh Water \_\_\_\_\_ Feet Salt Water **1510** Feet  
 Producing San **Berea** **North Sand** Depth **1976** **2296 to 2306**

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
clay		soft	0	20			
sand			20	80			
slate	gray		80	135			
red rock			135	195			
slate			195	350			
sand			350	410			
red rock			410	445			
slate & shells			445	790			
sand			790	840			
red rock			840	915			
slate			915	990			
sand and slate			990	1290			
red rock			1290	1320			
sand and slate			1320	1400			
sandy lime			1400	1450			
sandy slate			1450	1466			
sand			1466	1590			injun sand Water 1520
sand and slate			1590	1630			
sand			1630	1636			
Sandy Shale			1636	1724			weir
sand			1724	1735			
shale			1735	1760			
sand			1760	1780			
shale			1780	1840			
sand			1840	1850			
shale			1850	1972			
sand			1972	1978			
sandy shale			1978	2156			bera gas show - 1976

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
sand			2156	2162		<u>gordon</u>	
shale			2162	2174			
sand			2174	2180			
sandy shale			2180	2280			
sand and silt			2280	2300	forth sand	2296-2306	new pay
shale			2300	2335	TD		
				(40)			
		2335 2162 <u>173</u>	expl. ft.				

Date June 21, 1974  
 APPROVED Sander Dye, Owner  
 By Laurayne C. Hines Supt.  
 (Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

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OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE December 27, 1973

Surface Owner Virgie Stevens

Company SYNDEX, INC.

Address Parkersburg, W. Va. 26101

Address 224 Washington Street

Mineral Owner Virgie Stephens

Farm Virgie Stephens Acres 64.2 Boston, Mass.

Address Rosemar Rd. Parkersburg, 26101

Location (waters) Brisco Run / Ohio River

Coal Owner No Coal

Well No. One (1) Elevation 704

Address \_\_\_\_\_

District Williams County Wood

Coal Operator \_\_\_\_\_

Quadrangle Marietta or Parkersburg

Address \_\_\_\_\_

INSPECTOR TO BE NOTIFIED Goodnight  
Smithville PH: 477-2455  
W. Va. 26178

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 5-8-74.

[Signature]  
Deputy Director - Oil & Gas Division

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 Oct. 30 1973 by Global Pet. Co. made to Syndex, Inc. and recorded on the 30 day of Oct. 1973, in Wood County, Book 627 Page 71

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  
AC 304-296-4461

Very truly yours,  
[Signature]  
(Sign Name) \_\_\_\_\_ Well Operator

Address \_\_\_\_\_  
of \_\_\_\_\_  
Well Operator \_\_\_\_\_  
Street \_\_\_\_\_  
P.O. Box 13  
Williamstown, W. Va. 26187  
City or Town \_\_\_\_\_

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.

NO OIL DRILL

Woo-644 PERMIT NUMBER  
47-107

**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 Carl Perkins Drilling Co. NAME Dewayne Green  
 ADDRESS Pennsboro, W. Va. ADDRESS P.O. Box 13 Williamstown, W. Va.  
 TELEPHONE \_\_\_\_\_ TELEPHONE 375-4761  
 ESTIMATED DEPTH OF COMPLETED WELL: 2700' ROTARY \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Devonian  
 TYPE OF WELL: OIL X GAS X 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			
9 - 5/8	20'	20'	
8 - 5/8			
7	21'	21'	55 sbs
5 1/2			
4 1/2			
3	2675'	2675'	80 sbs
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 3' FEET SALT WATER 1700' FEET  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 IS COAL BEING MINED IN THE AREA? No 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