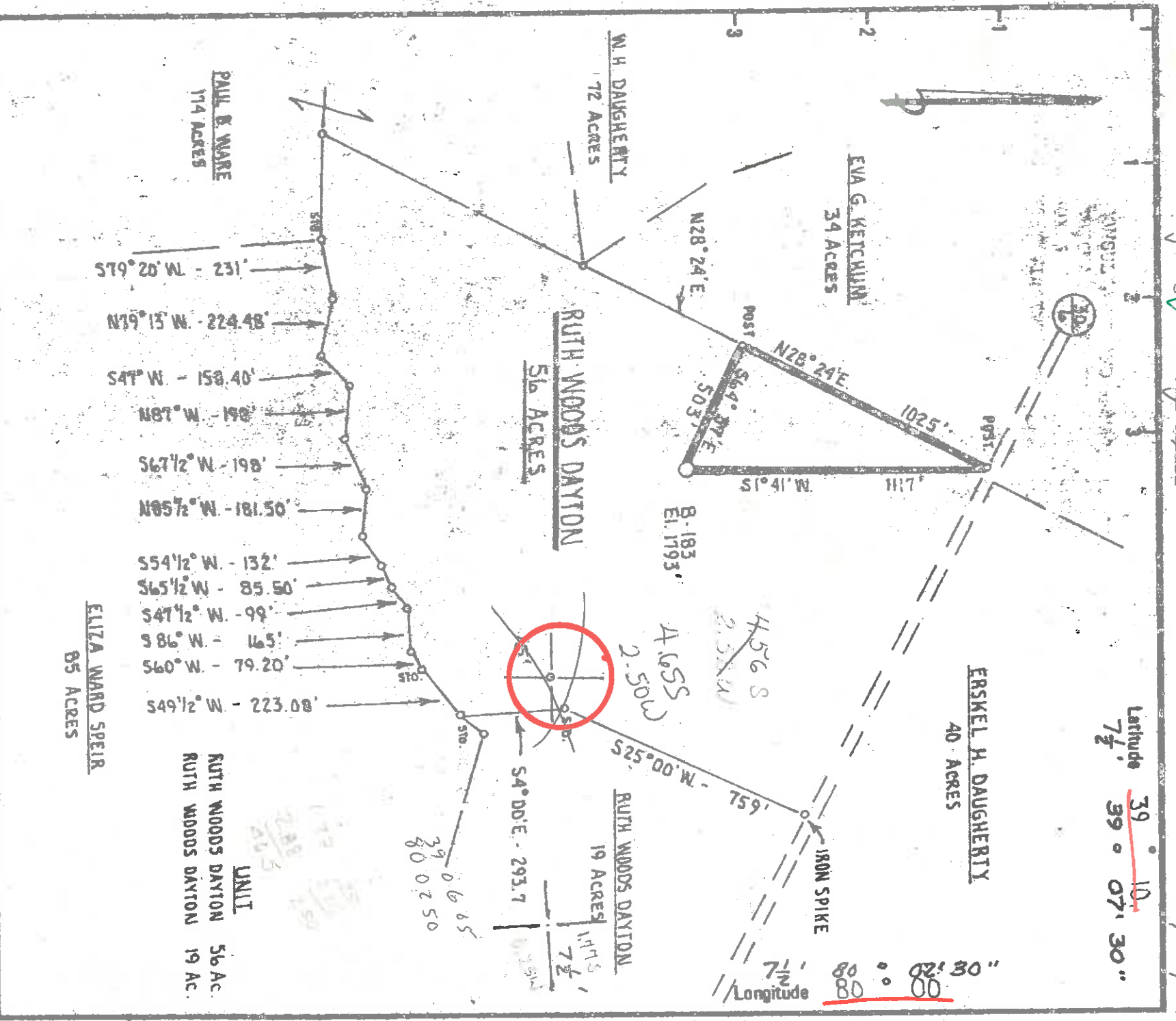


Plot of Log Card of CSPLE

Latitude $39^{\circ} 10' 7''$
Longitude $80^{\circ} 07' 30''$

5/23/78



New Location
 Drill Design
 Abandonment

Minimum Error of Closure
 Source of Elevation BERRY ENERGY WELL # B-114
 ELEVATION 1847'

"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 fraction of the mining laws of West Virginia."

J.J. ENNEKRISES
 COMPANY CLARKSBURG
 ADDRESS CLARKSBURG, WEST VIRGINIA 26301

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 ADDRESS CLARKSBURG, WEST VIRGINIA 26301

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

WELL LOCATION MAP
 FILE NO. BAR-990

Company CLARKSBURG
 ADDRESS CLARKSBURG, WEST VIRGINIA 26301

Tract 56 Acres Lease No. B-183
 Well (Farm) No. 1793 Serial No. EC
 Elevation (Spirit Level) 1793

Quadrangle Phillippi Audrey 7 1/2
 County BARBOUR District PHILLIPPI
 Engineer James J. Ennekriese
 Engineer's Registration No. 530 L.L.S.

File No. B-1251 Drawing No. 530 L.L.S.
 Date April 27th 1978 Scale 1" = 500'

+ 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.

47-001 JUN 7 1978

415D - Bonason G-4 PHILLIPPI 309



MAR 26 1979

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle PHILIPPI

Permit No. BAR-990

47-001-0790

J & J Enterprises, Inc.

Company c/o Berry Energy Consultants, Inc.
Address Clarksburg, W. Va.

Farm Bath Woods Dayton Acres 56

Location (waters) Little Laurel Run Elev 1793'

Well No. B-183 County Barbour

District Phillippi The surface of tract is owned in fee by Richard A. Corley

Address Rt. #1, Phillippi, W. Va.

Mineral rights are owned by Bath W. Dayton, Hrs. c/o Ernest H. Clibber, Charleston Nat. Bank, Charleston, W. Va.

Drilling Commenced 1-10-79

Drilling Completed 1-16-79

Initial open flow Show cu. ft. bbls.

Final production 1,561 Cu. ft. per day bbls.

Well open 4 hrs. before test 1500# R.P.

Well treatment details: 14 days

Benson treated with 80,000# sand, 880 bbl water and 500 gal 15% acid.

Perforations: 389'-390.1' with 12 holes .11

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 11-3/4"	30	30	To surface
13-10"			
9 5/8			
8 5/8	860	860	To surface
7			
5 1/2	3983	3983	170 bags
4 1/2			
3			
2			
Linars Used			

Coal was encountered at 1/8' 200' 308' Feet 69' 72' 36" Inches
 Fresh water 60' Feet Salt Water 1340' Feet
 Producing Sand Benson Depth 389'-390.1' Feet

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand & Clay			0	148	Water	60' Fresh
Coal			148	153		
Sand			153	200		
Coal			200	206		
Sand			206	308		
Coal			308	311		
Sand & Shale			311	1155		
Big Lime			1155	1254		
Big Injun			1254	1364	Water	1340'
Sand & Shale			1364	1430		Salt
Gantz			1430	1480		
Sand & Shale			1480	2160		
Fifth			2160	2220		
Sand & Shale			2200	3600		
Riley			3600	3740		
Sand & Shale			3740	3920		
Benson			3920	3950	Gas	389'-390.1'
Total Depth				4070'		

J & J Enterprises, Inc.
c/o Berry Energy Consultants, Inc.
309 Professional Building
Clarksburg, W. Va.

By [Signature]
REGISTERED

• Indicates Electric Log tops in the remarks section.

(over)

APR 10 1979



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
MAY 23 1978

DIVISION
OF MINES

Oil and Gas Division OIL AND GAS WELL PERMIT APPLICATION

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

DATE May 22, 1978

Surface Owner Richard A. Corley Company J & J Enterprises, Inc.
 Address Rt. 1, Philippi, WV 26416 c/o Berry Energy Consultants & Mgrs., Inc.
 Address 99 Professional Bldg., Clarksburg, WV
 Mineral Owner Ruth W. Dayton Heins Farm Ruth Woods Dayton Acres 56
 c/o Ernest H. Gilbert, Co-Administrator Location (waters) Little Laurel Run
 Address 1200 Chas. Nat. Bank Plaza, Chas., WV Well No. B-183 Elevation 1793
 Coal Owner SAME District Philippi County Barbour
 Address Not Operated Quadrangle Philippi
 Coal Operator Not Operated
 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 9-24-78

INSPECTOR Robert Stewart
TO BE NOTIFIED _____

ADDRESS Jane Lew, W. Va.

PHONE 884-7782

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 September 5 1968 by Ruth W. Dayton made to Hope Natural Gas Company and recorded on the _____ day of _____ 19 in Barbour County, Book 64 Page 284

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.

Very truly yours, J & J Enterprises, Inc.
 c/o Berry Energy Consultants and Mgrs., Inc.
 (Sign Name) _____
W. B. Berry Well OPERATOR

WEST VIRGINIA GEOLOGICAL AND
 ECONOMIC SURVEY
 P. O. BOX 879
 MORGANTOWN, WEST VIRGINIA 26505
 AC-304 - 292-6331

Address _____
 of _____
 Well Operator _____

 Street _____
308-309 Professional Bldg.
Clarksburg
 City or Town _____

 West Virginia 26501
 State _____

BLANKET BOARD

*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.

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 S. W. Jack Drilling Co. NAME Jim Willlett
 ADDRESS Indiana, PA ADDRESS Buckhannon, WV
 TELEPHONE 412-463-9191 TELEPHONE 472-2161
 ESTIMATED DEPTH OF COMPLETED WELL 4150 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 LIFT UP OR SACKS - CEMENT
20 - 16			
13 - 10	11 3/4	30	To Surface
9 - 5/8			
8 - 5/8		1000	To Surface
7			
5 1/2			
4 1/2		4150	To 3400
3			
2			
Liners			

APPROXIMATE FRESH WATER DEPTHS 64: 235 FEET SALT WATER 1555 FEET
 APPROXIMATE COAL DEPTHS 160-165; 225-230; 365-367
 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