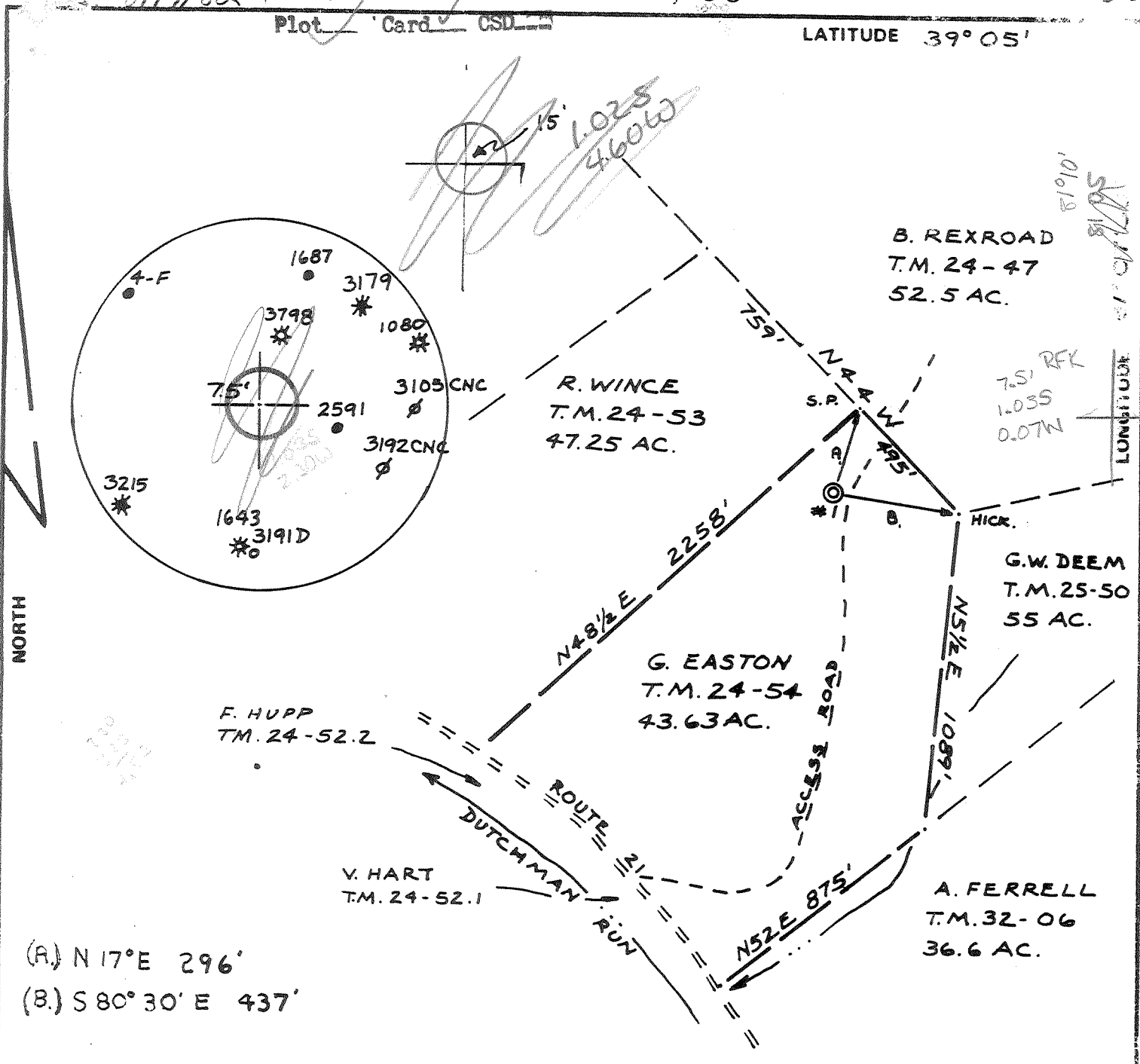


6/11/82

12,100'

Plot Card CSD

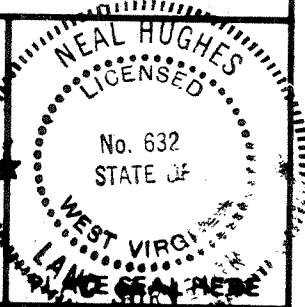
LATITUDE 39° 05'



(A) N 17° E 296'  
 (B) S 80° 30' E 437'

FILE NO. 82-31  
 DRAWING NO. 1  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION ROAD 717

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) Neal Hughes  
 R.P.E. \_\_\_\_\_ L.L.S. 632



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE JUNE 9 1982  
 OPERATOR'S WELL NO. VALENTINE 1  
 API WELL NO. 47-085-5705  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 1005' WATER SHED DUTCHMAN RUN  
 DISTRICT MURPHY COUNTY RITCHIE  
 QUADRANGLE MACFARLAN 7.5' Narrisville 1819C  
 SURFACE OWNER GEORGE C. EASTON ACREAGE 43.63  
 OIL & GAS ROYALTY OWNER CLIFTON VALENTINE LEASE ACREAGE 96  
 LEASE NO. P-109  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG 6-6 Cairo-Ritchie Mine  
 TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 2900' Hartley (20)  
 WELL OPERATOR PANTHER FUEL CO. DESIGNATED AGENT Dannally, Villars  
 ADDRESS P.O. BOX 850 ADDRESS P.O. BOX 647  
BRIDGEPORT, W.V. 26330 Weston, W.V. 26452

JUL 06 1982

State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: GEORGE C. EASTON

Operator Well No.: 1

LOCATION: Elevation: 1,005'

Quadrangle: MACFARLAN

District: MURPHY

County: RITCHIE

Latitude: 39°5'

Longitude 81° 7' 30"

Company: PURE ENERGY EXPLORATION, Inc.  
6750 W. LOOP, STE. 220  
BELLAIRE, TX 77401

Agent: RICHARD JIVIDEN

Inspector: SAMUEL HERSMAN

Permit Issued: 6-9-82

Well work Commenced: 8-3-82

Well work Completed: 9-20-83

Verbal Plugging

Permission granted on:

Rotary  Cable \_\_\_\_\_ Rig

Total Depth (feet) 5777

Fresh water depths (ft) 75

Salt water depths (ft) 755

Is coal being mined in area (Y/N)?  X

Coal Depths (ft): \_\_\_\_\_

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
11-3/4		200'	135 SXS
8-5/8		1261'	240 SXS
4 1/2		5636'	400 SXS

OPEN FLOW DATA

3834 - 5600'

Producing formation DEVONIAN SHALE - ALL ZONES Pay zone depth (ft) 1766'

Gas: Initial open flow 900 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 500 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 4 Hours

Static rock Pressure 850 psig (surface pressure) after 72 Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: JAMES W. SEEBURGER  
PURE ENERGY EXPLORATION, INC.

By: JAMES W. SEEBURGER

Date: 4/18/89

APR 18 1989

WELL LOG

1st Salt Sand	1,430 - 1,504	
2nd Salt Sand	1,569 - 1,623	
3rd Salt Sand	1,675 - 1,797	
Maxon Sandstone	1,848 - 1,895	
"Big Lime"	1,910 - 1,960	
Big Injun Sandstone	1,960 - 2,060	Gas & Oil
Berea Cap	2,435	
Gantz Sandstone	2,530 - 2,542	
Gordon Sandstone	2,672 - 2,718	Gas
Fifth Sand	2,804 - 2,816	Gas
Top Brollier Shale	2,980	
Bottom brollier Shale	4,070	Gas & Oil
Top Harrell Shale	4,070	
Bottom Harrell Shale	5,055	Gas
Hamilton Shale	5,055 - 5,692	Gas

PERFORATIONS

ZONE I	5,590 - 5,600	10 HOLES
	5,472 - 5,482	10 HOLES
	5,400 - 5,410	10 HOLES
	5,220 - 5,230	10 HOLES
ZONE II	4,935 - 4,945	20 HOLES
	4,700 - 4,710	20 HOLES
ZONE III	4,404 - 4,414	10 HOLES
	4,152 - 4,162	10 HOLES
	3,934 - 3,944	10 HOLES
	3,834 - 3,844	10 HOLES

404 2435

813 3700

822 4900

825 5200

830 5500

3461

APR 28 1989



Date: 6-7, 19 82

Operator's Well No. ~~P-109~~ P-109

API Well No. 47 085-5705  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION  
OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil  / Gas   
(If "Gas", Production  / Underground storage  / Deep  / Shallow )

LOCATION: Elevation: 1,005 Watershed: Dutchman Run  
District: Murphy County: Ritchie Quadrangle: MAC FARLAN 7.5

WELL OPERATOR Panther Fuel Company  
Address P.O. Box 850  
Bridgeport, West Virginia 26330

DESIGNATED AGENT Panther Fuel Company  
Address P.O. Box 850  
Bridgeport, W. Va. 26330

OIL & GAS ROYALTY OWNER Clifton Valentine  
Address 4459 Edgerton Rd.  
North Royalton, Ohio 44133  
Acreage 96

COAL OPERATOR \_\_\_\_\_  
Address \_\_\_\_\_

SURFACE OWNER <sup>1</sup> Robert Wince <sup>2</sup> George Easton  
Address <sup>1</sup> Rt # 1  
MAC FARLAN, West Virginia  
Acreage <sup>1</sup> 47 1/4 <sup>2</sup> 43

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Name JUN 14 1982  
Address OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

FIELD SALE (IF MADE) TO:  
Address \_\_\_\_\_

COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name D.O. MACE  
Address Rt #1 Box 5  
Sandridge, West Virginia.

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_\_\_ / lease   
other contract \_\_\_\_\_ / dated 3-31-, 19 82, to the undersigned well operator from Cliff Valentine

(If said deed, lease, or other contract has been recorded:  
Recorded on 4-12-, 19 82, in the office of the Clerk of the County Commission of Ritchie County, West Va., in Lease Book 142 at page 837. A permit is requested as follows:

PROPOSED WORK: Drill  / 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  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311

TELEPHONE: (304) 348-3092

BLANKET BOND

Panther Fuel Company  
Well Operator  
By [Signature]  
Its Vice-President

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) UNKNOWN  
Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION, MARCELLUS Shale

Estimated depth of completed well, 5,900 feet Rotary  / Cable tools \_\_\_\_\_ /

Approximate water strata depths: Fresh, 105 feet; salt, 455 feet.

Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No  /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft			For drilling	Left in well		
Conductor	11 3/4					200'	200'	CTS	Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 5/8		20	<input checked="" type="checkbox"/>		1200	1200	240	
Production	4 1/2		9.5			5,900	5900	AS NEEDED	Depths set by Rule 15.0d
Tubing									
Liners									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 on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR Drilling. THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 2-24-83,

BY [Signature]

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.

WAIVER

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 \_\_\_\_\_

*Summary*

By \_\_\_\_\_  
Its \_\_\_\_\_