

FILE NO. W75-2 W.O. 314  
 DRAWING NO. D-199  
 SCALE 1" = 2,000'  
 MINIMUM DEGREE OF ACCURACY 1'/20,000'  
 PROVEN SOURCE OF ELEVATION U.S.G.S. BM 03AEK  
Elevation given as 2380.359

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) J. A. Sturgill  
 R.P.E. \_\_\_\_\_ L.L.S. 412



WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS  
 #10 McJUNKIN ROAD  
 NITRO, WEST VIRGINIA 25143-2506

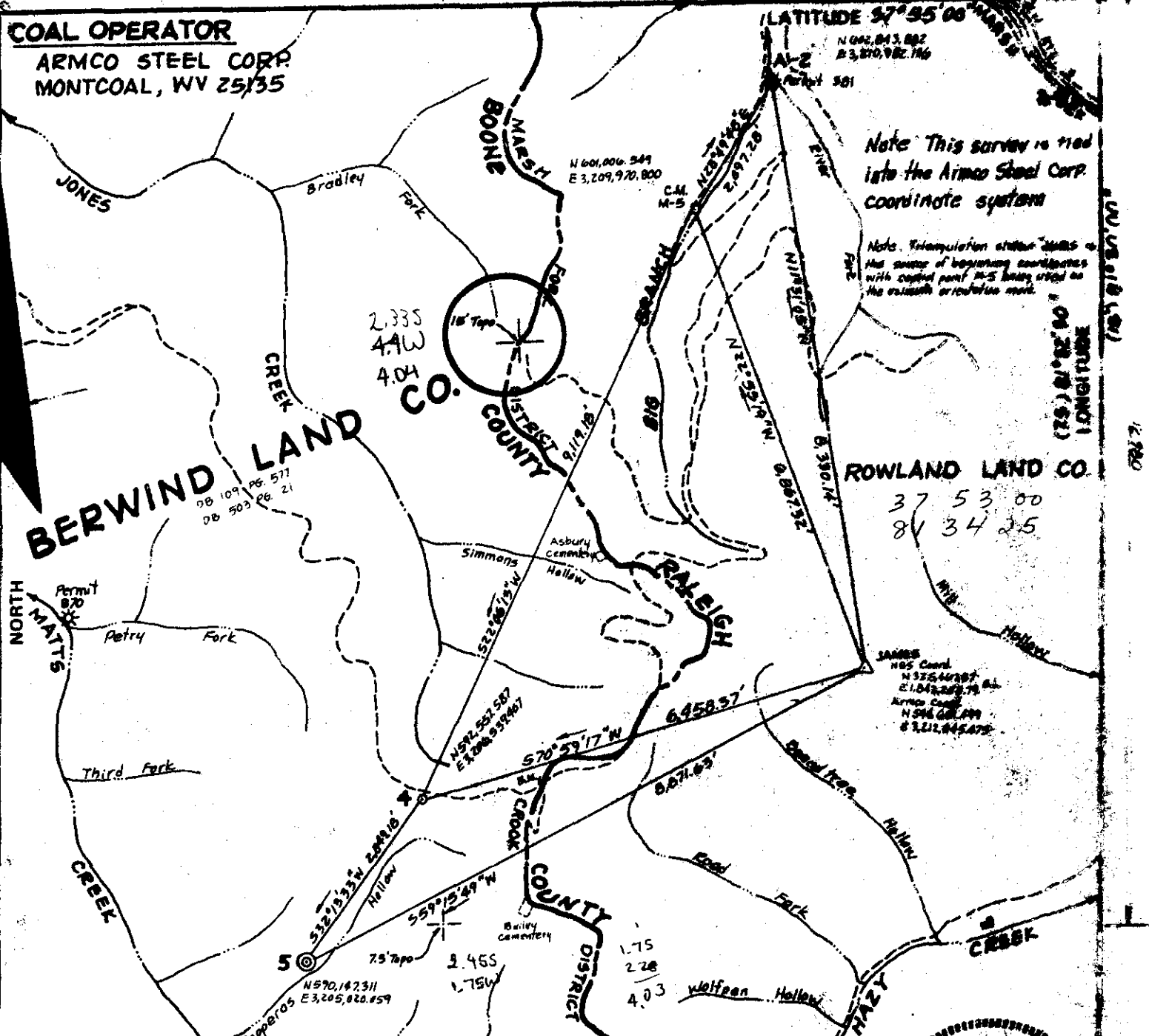


STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

DATE OCTOBER 29, 1979  
 OPERATOR'S WELL NO. 5  
 API WELL NO. 47-005-01274-P  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1908.22 WATER SHED COPPERAS HOLLOW OF MATTS CREEK  
 DISTRICT CROOK COUNTY BOONE  
 QUADRANGLE 7.5' WHITESVILLE 15' BALD KNOB (N.E.)  
 SURFACE OWNER BERWIND LAND COMPANY ACREAGE \_\_\_\_\_  
 OIL & GAS ROYALTY OWNER BERWIND LAND COMPANY LEASE ACREAGE 8.044  
 LEASE NO. 8579  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR  
 STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW  
 FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
Plugging an existing well for mine through well drilled in 1979 by Teco  
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION WELD DEPTH 3700'  
 WELL Eastern American Energy D AGE \_\_\_\_\_  
 ADDR Box 820, Glenville, W.V. DORE John Faltili  
 APR 12 1999

12,780'  
 00.06.18 (S1)  
 06.26.18 (S2)  
 00.06.18 (S1)  
 06.26.18 (S2)  
 12,780'  
 00.06.18 (S1)  
 06.26.18 (S2)



Note: This survey is tied into the Armco Steel Corp. coordinate system.

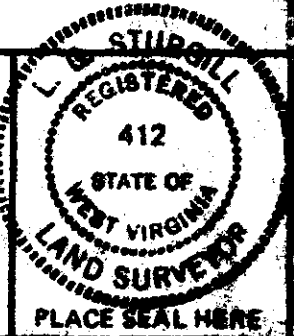
Note: Computation of the center of beginning coordinates with control point M-5 being used as the origin of the coordinate system.

37 53 00  
81 34 25

JAMES  
M-5 Cont.  
N 375,448.87  
E 1,042,208.79  
Armco Cont.  
N 596,008.49  
E 2,212,445.47

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(SIGNED) J. H. Sturgill  
R.P.E. \_\_\_\_\_ L.L.S. 412



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



DATE OCTOBER 29, 1979  
OPERATOR'S WELL NO. 5  
API WELL NO. 47-005-1274  
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 1908.22 WATER SHED COPPERAS HOLLOW OF MATTS CREEK  
DISTRICT CROOK COUNTY BOONE  
QUADRANGLE 7.5' WHITESVILLE 15 BALD KNOB (N.E.) & EC  
SURFACE OWNER BERWIND LAND COMPANY ACREAGE \_\_\_  
OIL & GAS ROYALTY OWNER BERWIND LAND COMPANY LEASE ACREAGE 8.044  
LEASE NO. 8579  
PROPOSED WORK: DRILL X 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 \_\_\_  
TARGET FORMATION WEIR ESTIMATED DEPTH 3,700'  
WELL OPERATOR TEXAS INT'L. PET. CORP. DESIGNATED AGENT JAMES M. BLANTON  
ADDRESS 200 NATIONAL FOUNDATION CENTER ADDRESS 740 ONE VALLEY SQUARE  
3535 N.W. 50th ST. OKLA. CITY, OK 73112 CHARLESTON, WV 26301



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

Date: January 15, 1980

FORM IV-35  
(Obverse)

Operator's  
Well No. Berwind Land Co. #5

[08-78]

WELL OPERATOR'S REPORT  
OF

API Well No. 47 - 005 1274  
State County Perm

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1908.22 Watershed: Copperas Hollow of Motts Creek  
District: Crook County: Boone Quadrangle: 7.5' Whitesville  
15' Bald Knob

WELL OPERATOR Texas International Petroleum Corp. DESIGNATED AGENT James M. Blanton  
Address 3535 N. W. 58th Street Address Suite 740, One Valley Square  
Oklahoma City, Oklahoma 73112 Charleston, West Virginia 25301

PERMITTED WORK: Drill  / Convert  / Drill deeper  / Redrill  / Fracture or stimulate   
Plug off old formation  / Perforate new formation   
Other physical change in well (specify) \_\_\_\_\_

PERMIT ISSUED ON November 30, 1979

OIL & GAS INSPECTOR FOR THIS WORK:

IF APPLICABLE: PLUGGING OF DRY HOLE OR  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED

Name Arthur St. Clair  
Address P. O. Box 157  
Brenton, West Virginia 24818

GEOLOGICAL TARGET FORMATION: Weir Depth 3395

Depth of completed well, 3700 feet Rotary  / Cable Tools

Water strata depth: Fresh, 850 feet; salt, \_\_\_\_\_ feet.

Coal seam depths: 343-347', 556-560', 590-592' Is coal being mined in the area? no

Work was commenced December 5, 1979, and completed December 16, 1979

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	REMARKS	
	Size	Grade	Weight per ft	New	Used	For drilling			Left in well
Conductor	16"			X		29'	29'	None	Kinds
Fresh water	8-5/8"		24#	X		1813'	1813'	Cemented to surface	
Coal									Sizes
Intermediate									
Production	4 1/2"		10.5#	X		3644'	3644'	Cemented w/100 sacks.	Depth set
Logging									
liners									Perforations:
									2 in 500 ft

OIL & GAS DIVISION  
DEPT. OF MINES

OPEN FLOW DATA

Producing formation Weir Pay zone depth 3395

Gas: Initial open flow, N/M Mcf/d Oil: Initial open flow, \_\_\_\_\_ bbl/d  
Final open flow, 1958 Mcf/d Final open flow, \_\_\_\_\_ bbl/d

Time of open flow between initial and final tests, 4 hours

Static rock pressure, 700 psig (surface measurement) after 24 hours shut in

(If applicable due to multiple completion--)

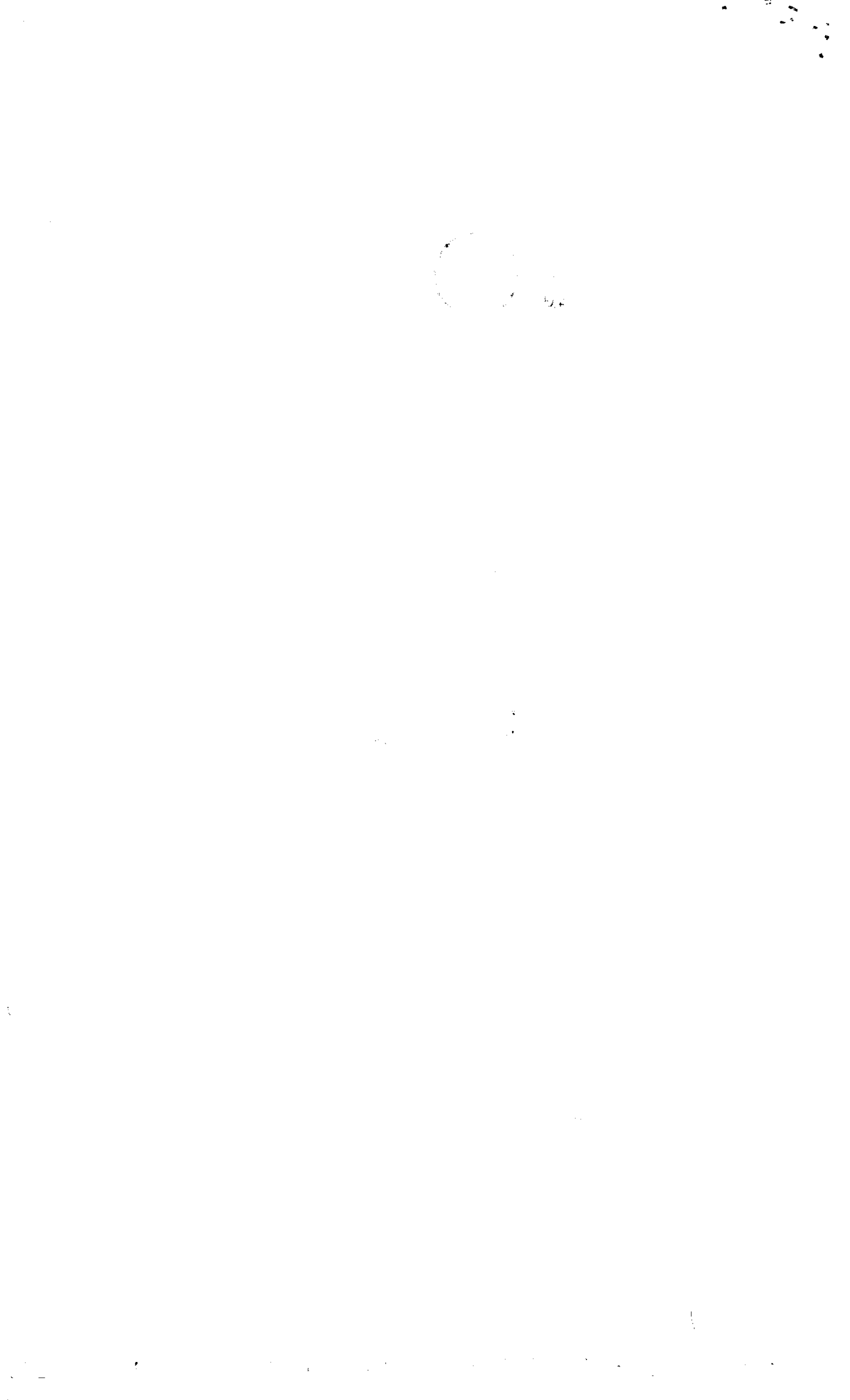
Second producing formation None Pay zone depth \_\_\_\_\_

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 measurement) after \_\_\_\_\_ hours shut in

FEB 13 1980



04-15-99 10:19 AM FROM THOMAS W EDWARD, INC TO 3047680772

301

WR-38  
15-APR-99

API # 47-05-01274-P

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Berwind Land Co. Operator Well No.: Berwind #5

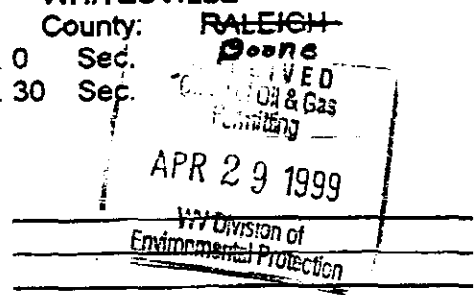
LOCATION: Elevation: 1908' Quadrangle: WHITESVILLE  
 District: Crook County: RALEIGH  
 Latitude: 9200 Feet South of 37 Deg. 55 Min. 0 Sec.  
 Longitude: 13100 Feet West of 81 Deg. 32 Min. 30 Sec.

Well Type: OIL \_\_\_\_\_ Gas X

Company: Eastern American Energy Corp. Coal Operator or Owner  
P.O. Box 820  
Glennville, WV 26351

Agent: John Paletti Coal Operator or Owner  
Performance Coal Co.  
P.O. Box 69  
Naoma, WV 25140

Permit Issued: 03/30/99



AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Boone ss:

Paul Stevens And Bruce Garrett beir  
first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Rodney Dillon Oil and Gas Inspector representing the Director, say that said work was commenced on the 12 day of April 19 99 and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
<u>Class A 20sks</u> <u>Gel</u>	<u>3477</u>	<u>3227</u>	<u>4 1/2" 2790'</u> <u>8 3/8" 0'</u>	<u>854'</u> <u>1813'</u>
<u>Class A 28sks</u> <u>Gel</u>	<u>2750</u>	<u>2650</u>	<u>16" 0'</u>	<u>29'</u>
<u>Class A 31sks</u> <u>CEBP</u>	<u>1879</u> <u>950</u>	<u>1769</u> <u>950</u>		
<u>RFL 85sks</u>	<u>920</u>	<u>550</u>		
<u>Class A 175sks</u>	<u>550</u>	<u>0</u>		

\* 6% GEL spacers between plugs

Description of monument: 6" casing (8' long) w/ API # and the  
the work of plugging and filling said well was completed on the 14 day of April 19 99

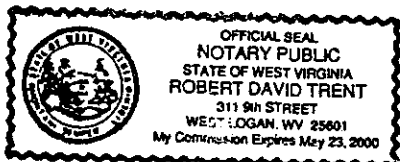
And further deponents saith not.

Sworn and subscribe before me this 14th day of April 19 99

My commission expires: 5-23-00

Bruce Garrett  
Paul Stevens

Robert David Trent  
Notary Public  
Richard X. Campbell  
Oil and Gas Inspector.



MAY 10 1999

Boone 1274-P

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC..

Perforated 3395'-3405', 21 holes. Spotted 500 gal. 15% HCl. Loaded hole. Broke formation w/hydrostatic head. Fraced w/919 bbls. fluid, 20,000# 80/100 sand, 45,000# 20/40 sand, 15,000# 10/20 sand. AIR-34 BPM. AIP-1550 PSI. ISIP-800 PSI, 5 minutes - 550 PSI, 15 minutes - vacuum.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Sand	Gray	Hard	0	18	
Sand & Shale	Gray/Bl.	Medium	18	45	
Sand	White	Hard	45	343	
Coal	Black	Soft	343	347	
Sand & Shale	Bl. & Gr.	Medium	347	556	
Coal	Black	Soft	556	560	
Sand	Gray	Hard	560	590	
Coal	Black	Soft	590	592	
Sand & Shale	Br. & Gr.	Medium	592	919	H <sub>2</sub> O @ 850'.
Shale	Black	Soft	919	1247	
Sand	White	Hard	1247	1267	
Salt Sand & Shale	Wh. & Bl.	Hard	1267	1850	
Sand & Shale	Bl. & Gr.	Medium	1850	1930	
Shale	Black	Soft	1930	2083	
Sand	White	Hard	2083	2134	
Shale	Gray	Soft	2134	2160	
Sand	White	Hard	2160	2216	
Lavencliff	White	Hard	2216	2237	Hole damp @ 2237'.
Shale	Black	Soft	2237	2407	
Lavis Lime	White	Hard	2407	2440	
Shale	Gray	Soft	2440	2510	
Maxton Sand	White	Hard	2510	2791	Gas test @ 2791' - smell.
Shale	Black	Soft	2791	2842	
Sand	White	Hard	2842	2932	
Shale	Black	Soft	2932	2948	
Little Lime	White	Hard	2948	2980	
Big Lime	White	Hard	2980	3306	
Sand & Shale			3306	3385	Gas test @ 3448', 25/10 thru 2"
Leir Sand			3385	3449	H <sub>2</sub> O.
Shale			3449	3538	
Leir Sand			3538	3578	
Shale			3578	3700	

(Attach separate sheets to complete as necessary)

Texas International Petroleum Corporation  
Well Operator  
*James M. Blanton*  
by James M. Blanton  
Its Division Manager

NOTE: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."





PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Appalachian Drilling Company  
Address Suite 333-Morrison Building  
Charleston, West Virginia 25301

GEOLOGICAL TARGET FORMATION, Weir

Estimated depth of completed well, 3700 feet Rotary  / Cable tools  /

Approximate water strata depths: Fresh, <sup>None</sup> indicated; salt,          feet.

Approximate coal seam depths: 330-333, 425-438, 554-558, 769-773 Is coal being mined in the area? Yes  No

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft	New	Used	For drilling			Left in well
Conductor	11-3/4"		42#	x		25'	25'	None	Kinds
Fresh water	8-5/8"		24#	x		1800'	1800'	Cement to surface.	
Coal									Sizes
Intermediate									
Production	4 1/2"		10.5#	x		3700'	3700'	Cement w/100-200 sacks	Depths set
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.

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 8-3-80.

*Robert H. [Signature]*  
Deputy Director - Oil & Gas Division

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:

W A I V E R

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.

11-30-79, 19 79  
By [Signature]  
Its [Signature]