

James 7/15/88

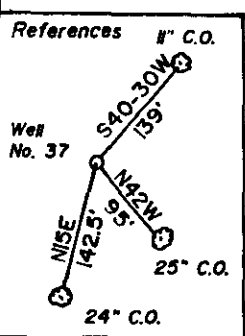
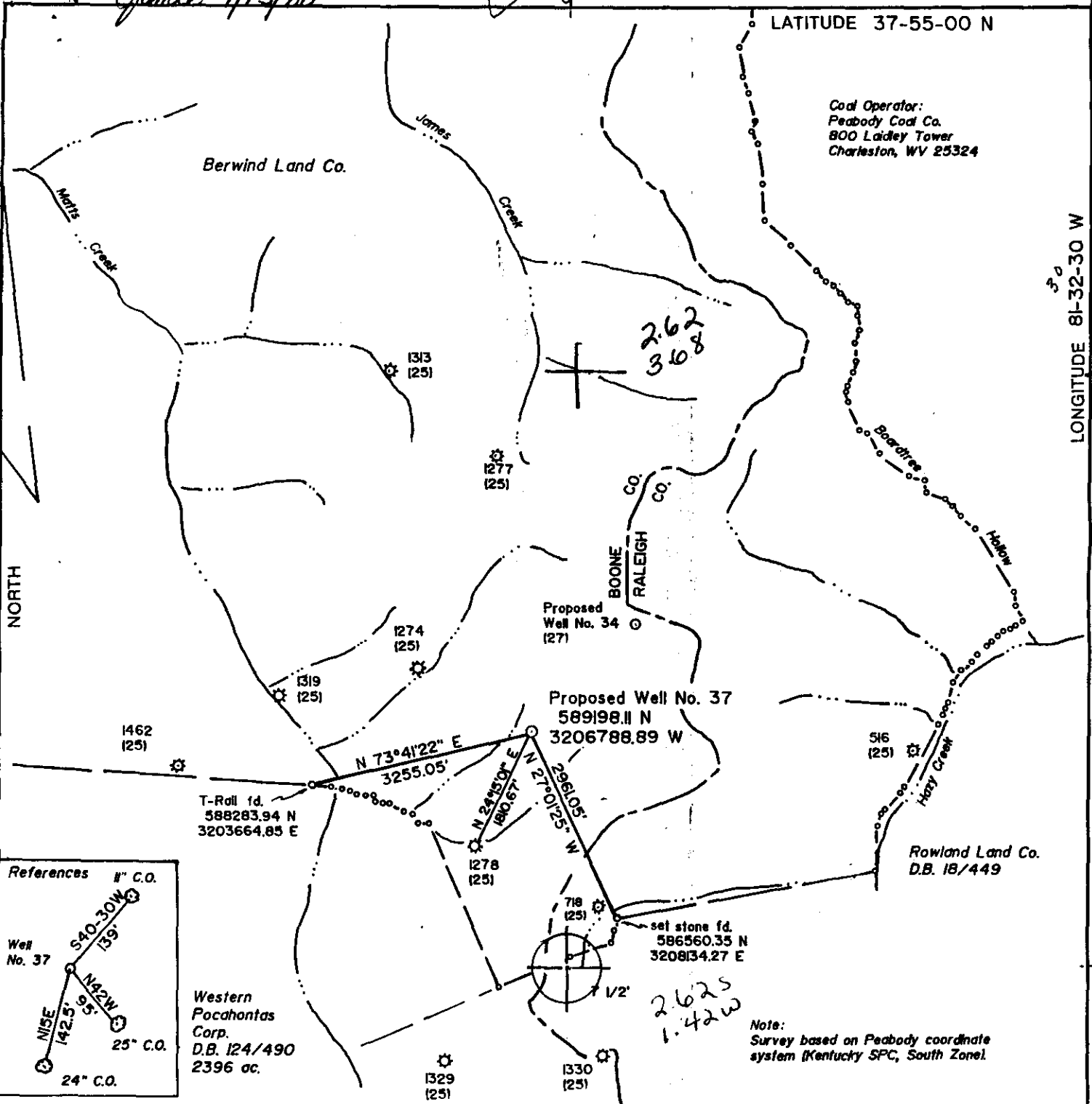
7520

LATITUDE 37-55-00 N

Coal Operator:  
Peabody Coal Co.  
800 Laidley Tower  
Charleston, WV 25324

LONGITUDE 81-32-30 W

13950



Note:  
Survey based on Peabody coordinate system (Kentucky SPC, South Zone)

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. 1  
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY 1 in 5000  
 PROVEN SOURCE OF ELEVATION Peabody Sta. E-3  
3240' South of Location: elev. 2489.88

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 ENERGY.  
 (SIGNED) David L. Jackson  
 R.P.E. \_\_\_\_\_ L.L.S. 708

DAVID L. JACKSON  
 LICENSED  
 NO. 708  
 STATE OF WEST VIRGINIA  
 PLACE SEAL HERE

**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENERGY  
**OIL AND GAS DIVISION**

DATE July 7, 19 88  
 OPERATOR'S WELL NO. 37  
 API WELL NO. 47-005-1485  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION 2292 WATERSHED Matts Creek  
 DISTRICT Crook 1 COUNTY Boone  
 QUADRANGLE Whitesville 7 1/2' 677 006, Bald Knob EC

SURFACE OWNER Berwind Land Company ACREAGE 8044  
 OIL & GAS ROYALTY OWNER Berwind Land Company LEASE ACREAGE 8044  
 LEASE NO. 8391

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 Berea ESTIMATED DEPTH 4270

WELL OPERATOR Natural Resource Management Corp. DESIGNATED AGENT Dave Cash, Natural Resource Management Corp.  
 ADDRESS 681 Andersen Drive, Foster Plaza VI ADDRESS 312 Sixth Ave.  
Pittsburgh, PA 15220 1649 Charleston, WV 25303

JUL 15 1988

FORM WW-6  
H.T. HALL 48673

COUNTY NAME  
PERMIT

6-6 unnamed (w)



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

Well Operator's Report of Well Work

Farm name: BERWIND LAND COMPANY Operator Well No.: BERWIND 37

LOCATION: Elevation: 2292.00 Quadrangle: WHITESVILLE

District: CROOK County: BOONE  
Latitude: 13950 Feet South of 37 Des. 55Min. 0 Sec.  
Longitude 7520 Feet West of 81 Des. 32 Min. 30 Sec.

Company: NATURAL RESOURCE MANAGEME

681 ANDERSON DR. FOSTER PLAZA  
PITTSBURGH, PA

Agent: DAVE CASH

Inspector: JERRY HOLCOMB

Permit Issued: 07/15/88

Well work Commenced: 7/29/88

Well work Completed: 8/06/88

Verbal Plugging

Permission granted on: \_\_\_\_\_

Rotary  Cable \_\_\_\_\_ Ris \_\_\_\_\_

Total Depth (feet) 4260 DTD

Fresh water depths (ft) 85

Salt water depths (ft) \_\_\_\_\_

None Reported

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

Coal Depths (ft): 56, 95, 242, 354, 670, 770,  
830, 897, 1077.

Size	Used in	Left	Cement
	Tubins	Drillins	in Well
			(Fill Up)
			(Cu. Ft.)
13-3/8"	280'	280'	180 sx
9-5/8"	1105'	1105'	385 sx
4-1/2"	4092'	4092'	75 sx

OPEN FLOW DATA

Producing formation WEIR Pay zone depth (ft) 3770  
Gas: Initial open flow 555 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 4300 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 745 psig (surface pressure) after 48 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.

*Paul J. Shuleski*  
For: NATURAL RESOURCE MANAGEMENT CORP.

By: Paul J. Shuleski, Regional Geology Manager  
Date: 10/18/88

MAR 10 1989



WR-38  
19-May-99

API # 47- 5-01485-P

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

COPY

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPPLICATE, 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.

RECEIVED  
Office of Oil & Gas  
37 Permitting

JUL 28 1999

WV Division of  
Environmental Protection

Farm name: BERWIND LAND CO. Operator Well No.: BERWIND LAND  
LOCATION: Elevation: 2,292.00 Quadrangle: WHITESVILLE  
District: CROOK County: BOONE  
Latitude: 13950 Feet South of 37 Deg. 55 Min. 0 Sec.  
Longitude 7520 Feet West of 81 Deg. 32 Min. 30 Sec.

Well Type: OIL \_\_\_\_\_ GAS X

Company: EASTERN AMERICAN ENERGY  
501 56th STREET  
CHARLESTON WV 25304

Coal Operator PERFORMANCE COAL  
or Owner P O BOX 750  
DUNBAR WV 25064

Agent: JOHN PALETTI

Coal Operator BERWIND LAND COMPANY  
or Owner 100 ONE VALLEY SQUARE  
CHARLESTON WV 25031

Permit Issued: 05/21/99

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Boone ss:

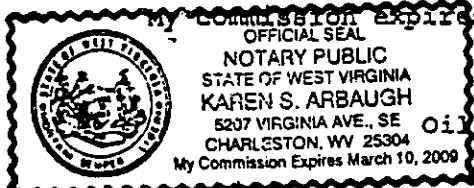
Bruce Garrett and Ben Parsons being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Richard Campbell Oil and Gas Inspector representing the Director say that said work was commenced on the 28th day of June, 1999, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Class A - 20 sxs	3837	3627	2800' 4-1/2"	1292' 4-1/2"
Class A - 28.6 sxs	2300	2200		1105' 9-5/8"
CIBP	1329			280 - 13-3/8"
RFC 95 sxs	1329	952		
Class A - 361 sxs	952	surface		

Description of equipment: Marker with API  
and that the work of plugging and filling said well was completed on the 1st day of July, 1999.

And further deponents saith not.

Sworn and subscribe before me this 20th day of July, 1999  
My Commission Expires: 03/10/09



Bruce Garrett  
Ben Parsons  
Karen S. Arbaugh  
Notary Public

Oil and Gas Inspector: \_\_\_\_\_

AUG 23 1999

Boo 1485-P

DETAILS OF PERFORATED INTERVALS, FRACTURING, PHYSICAL CHANGES

Spotted 500 gal. 15% HCL and 500 gal MeOH. Perfed. 3759'-3795' with 21 holes. Pumped 833 bdis. of water, 76,000# 20/40 sand and 250 SCFN<sub>2</sub>/bbl. BDP = 408 psi, AIR = 1339 psi, ISIP = 679 psi.

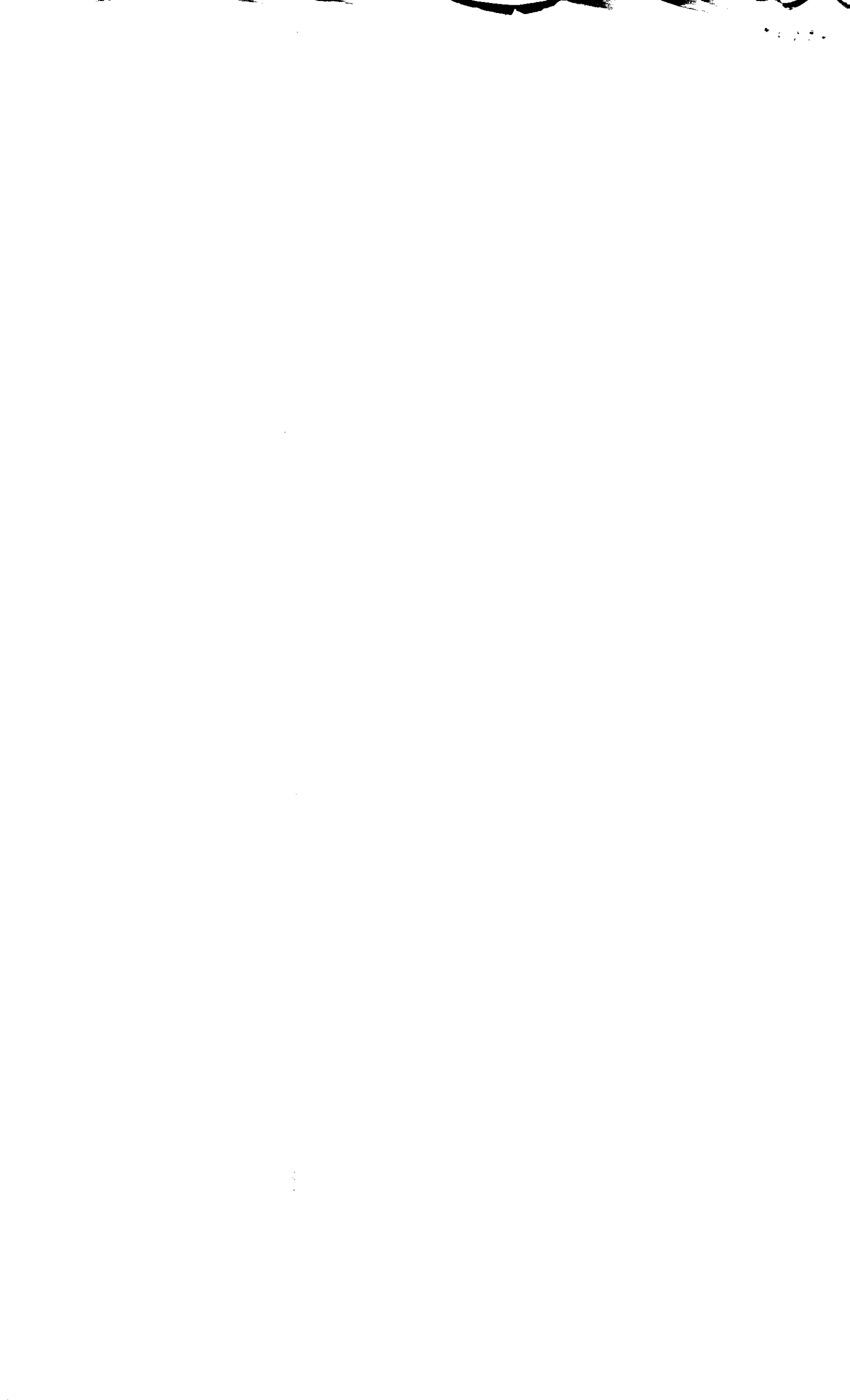
WELL LOG

FORMATION COLOR HARD/SOFT ; TOP FEET ; BOTTOM FEET ; REMARKS

DRILLER'S LOG:					
Sand	890	0	890	GC @ 2580' - NS	890
Sand and Shale	890	1980	1980	GC @ 3172' - 231 M	1980
Salt Sand	1980	2310	2310	GC @ 3857' - 400 M	2310
Sand and Shale	2310	2855	2855	GC @ TD - 555M	2855
Maxton Sand	2855	3270	3270		3270
Lime	3270	3640	3640		3640
Sand and Shale	3640	3830	3830		3830
Shale	3830	4260	4260		4260
	4260	4260	4260		4260
	4266	4266	4266		4266
CDL:					
Princeton SS:	2415	2415	2415		2415
Ravencleft SS:	2534	2534	2534		2534
Avis LS:	2692	2692	2692		2692
Maxton SS:	2764	2764	2764		2764
Little Lime:	3239	3239	3239		3239
Big Lime:	3306	3306	3306		3306
Upper Weir SS:	3759	3759	3759		3759
Lower Weir SS:	3883	3883	3883		3883
Sunbury Sh:	4136	4136	4136		4136
Berea SS:	4147	4147	4147		4147

MAR 10 1989

7377



RECEIVED

JUL 12 1988

Page 1 of 10  
Form WW2-A  
(09/87)  
File Copy

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

1) Date: July 8, 1988  
2) Operator's well number  
BERWIND LAND #37  
3) API Well No: 47 - 005 - 1485  
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:  
(a) Name Berwind Land Company  
Address 1050 One Valley Square  
Charleston, WV 25301  
(b) Name Attn: Raymond C. Brainard  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

5) (a) Coal Operator:  
Name Peabody Coal Company  
Address P. O. Box 1233  
Charleston, WV 25324 Attn: John Eagan  
(b) Coal Owner(s) with Declaration  
Name Berwind Land Company  
Address 1050 One Valley Square  
Charleston, WV 25301  
Name Atten: Raymond C. Brainard  
Address \_\_\_\_\_

6) Inspector Jerry Holcomb  
Address Rt. 2, Box 159, Hwy #34  
Hamlin, WV 25523  
Telephone (304)- 824-5963

(c) Coal Lessee with Declaration  
Name Peabody Coal Company  
Address P. O. Box 1233  
Charleston, WV 25324 Attn: John Eagan

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
x Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 10 on the above named parties, by:

- x Personal Service (Affidavit attached)
- \_\_\_\_\_ Certified Mail (Postmarked postal receipt attached)
- \_\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Natural Resource Management Corporation  
By: Robert T. Golier Robert T. Golier  
Its: Vice President and Eastern Region Manager  
Address 681 Andersen Drive., Foster Plaza VI

Telephone 412-921-3700  
Subscribed and sworn before me this 8th day of July, 1988

My commission expires \_\_\_\_\_

Edward F. Valentas  
EDWARD F. VALENTAS, NOTARY PUBLIC  
GREEN TREE BORO, ALLEGHENY COUNTY  
MY COMMISSION EXPIRES APRIL 3, 1989  
Member, Pennsylvania Association of Notaries

Notary Public

