

10/1/87

1700'

LATITUDE 37° 52' 30"

LONGITUDE 81° 30' 00"

5750'

TM 13 PARCEL 17
ROWLAND LAND COMPANY, LTD.
DB 713 PAGE 524
5235.332 ACRES

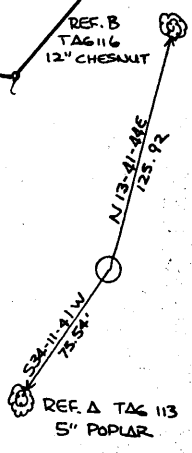
TM 13 PARCEL 21
ROWLAND LAND CO.
DB 713 PAGE 524
31.30 ACRES

PROPOSED
ROWLAND NO. 27
N 86-40W 77.3'
N 86-40W 77.3'

TM 13 PARCEL 22
PEABODY COAL COMPANY
DB 702 PAGE 626
14.135 ACRES

PEABODY COAL COORDINATES
NORTH: 583037.346
EAST: 3224941.366

NORTH

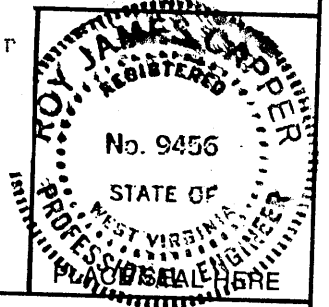


REFERENCES
1" = 100'

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

FILE NO. AWEC-081-015
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 10000
PROVEN SOURCE OF ELEVATION BMMO-X ON BRIDGE ABUTMENT IN EDWIGHT (984.637')

CO: 081 PMT: 802
Loc Disitized from OGIS 7.5' Mylar
T QUAD: 547 DATE: 12-JUN-90
K LAT: 37 52.5 Miles South: 1.06
L LONG: 81 30.0 Miles West: 0.37
MENT OF ENERGY
(SIGNED) Roy James Copper
R.P.E. 9456 L.L.S. _____



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE 20 SEPTEMBER 19 87
OPERATOR'S WELL NO. ROWLAND NO. 27
API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1587.3' WATERSHED SHUMATE CREEK OF MARSH FORK
DISTRICT MARSH FORK COUNTY RALEIGH
QUADRANGLE PILOT KNOB 7.5'

SURFACE OWNER PEABODY COAL COMPANY ACREAGE 14.135
OIL & GAS ROYALTY OWNER ROWLAND LAND COMPANY, LTD. LEASE ACREAGE 15,000
LEASE NO. _____

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
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 5300'

WELL OPERATOR ALLEGHENY + WESTERN ENERGY DESIGNATED AGENT DENNIS L. MANN
ADDRESS P.O. BOX 2587 ADDRESS P.O. BOX 2587
CHARLESTON, WV 25329 CHARLESTON WV 25329

COUNTY NAME

PERMIT

R.A.C. 0802-P

10/1/87

55 1700'

LATITUDE 37° 52' 30"

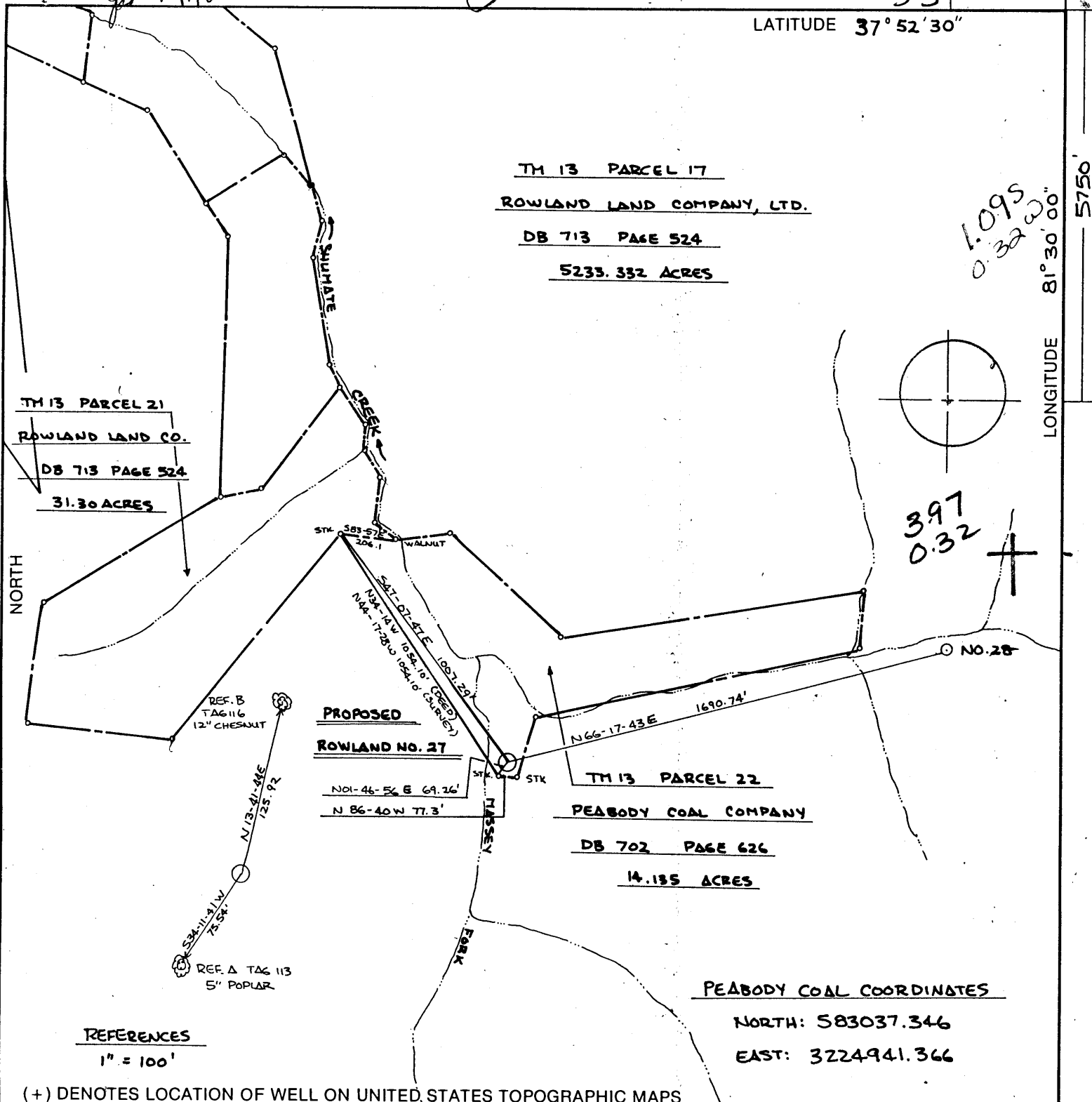
TH 13 PARCEL 17
ROWLAND LAND COMPANY, LTD.
DB 713 PAGE 524
5233.332 ACRES

1.095
0.322

LONGITUDE 81° 30' 00"

TH 13 PARCEL 21
ROWLAND LAND CO.
DB 713 PAGE 524
31.30 ACRES

NORTH



REF. B
TAG 116
12" CHESNUT

N 13-31-46E
725.92

REF. A TAG 113
5" POPLAR

PROPOSED
ROWLAND NO. 27
N 01-46-56 E 69.26'
N 86-40 W 77.3'

TH 13 PARCEL 22
PEABODY COAL COMPANY
DB 702 PAGE 626
14.135 ACRES

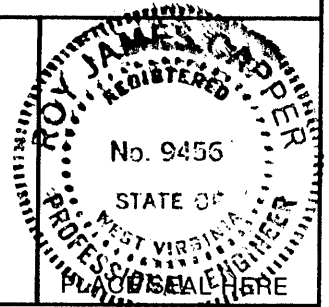
PEABODY COAL COORDINATES
NORTH: 583037.346
EAST: 3224941.366

REFERENCES
1" = 100'

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

FILE NO. AWEC-081-015
DRAWING NO. _____
SCALE 1"=500'
MINIMUM DEGREE OF ACCURACY 1 IN 10000
PROVEN SOURCE OF ELEVATION BHMO-X ON BRIDGE ABUTMENT IN EDWIGHT (984.637')

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) Roy James Copper
R.P.E. 9456 L.L.S. _____



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE 20 SEPTEMBER, 19 87
OPERATOR'S WELL NO. ROWLAND NO. 27
API WELL NO. _____

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

LOCATION: ELEVATION 1587.3' WATER SHED SHUMATE CREEK OF MARSH FORK
DISTRICT MARSH FORK COUNTY RALEIGH
QUADRANGLE PILOT KNOR 7.5' 547 006.6

SURFACE OWNER PEABODY COAL COMPANY ACREAGE 14.135
OIL & GAS ROYALTY OWNER ROWLAND LAND COMPANY, LTD. LEASE ACREAGE 15,000
LEASE NO. _____

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
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 5300'
WELL OPERATOR ALLEGHENY + WESTERN ENERGY DESIGNATED AGENT DENNIS L. MANN
ADDRESS P.O. Box 2587 ADDRESS P.O. Box 2587
CHARLESTON, WV 25329 004 CHARLESTON, WV 25329

COUNTY NAME PERMIT

OCT 5 1987



1) Date: 20 September, 19 87
 2) Operator's Well No. Rowland #27
 3) API Well No. 47-081-0802
 State County Permit

7/8
RECEIVED
OCT 01 1987

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

APPLICATION FOR A WELL WORK PERMIT

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

- 4) WELL TYPE: A Oil / Gas XXX
 B (If "Gas", Production XXX / Underground storage _____ / Deep _____ / Shallow XXX)
 5) LOCATION: Elevation: 1587.3 Watershed: Shumate Creek of Marsh Fork 546
 District: Marsh Fork 2 County: Raleigh 081 Quadrangle: Pilot Knob 7.5'
 6) WELL OPERATOR A & W Energy Corp. CODE: 1100 7) DESIGNATED AGENT Dennis L. Mann
 Address P.O. Box 2587 Address P.O. Box 2587
Charleston, WV 25329 Charleston, WV 25329
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Rodney Dillon Name NA
 Address P.O. Box 1526 Address _____
Sophia, WV 25921
 10) PROPOSED WELL WORK: Drill XXX / Drill deeper _____ / Redrill _____ / Stimulate XXX /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Weir, Devonian Shales
 12) Estimated depth of completed well, 5300 feet
 13) Approximate strata depths: Fresh, 30 feet; salt, 500 feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No XXX /

15) 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									Kinds: <u>38CSR18-11.3</u> By rule <u>15.05</u>
Fresh water	9 5/8	smls	32	X		1020	1020	300 sks Cts	
Coal	7	smls	23	X		3035	3035	200 sks	Sizes: <u>"</u>
Intermediate									<u>38CSR18-11.1</u> Depths set or as required by rule <u>15.01</u>
Production	4 1/2	smls	10.5	X		5300	5300	200-400 sks	
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-081-0802 Date October 1 19 87

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires October 1, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Flat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	Fee: <u>233</u>	WFOF: <input checked="" type="checkbox"/>	S&S: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>
---	--	---	---	-----------------	---	--	---------------------------------

7069

John H. Johnston by Margaret J. Kean
Director, Division of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

10422

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE 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.

<u>Rowland Land Co</u> Coal Operator or Owner	<u>Allegheny & Western Energy Corp.</u> Name of Well Operator
<u>1033 Quarrier St, Charleston, W.Va</u> Address	<u>P.O.Box 2587, Charleston, W.Va.</u> Complete Address
<u>Peabody Coal Co.</u> Coal Operator or Owner	<u>July 5</u> 19 <u>90</u> WELL AND LOCATION
<u>1018 Kanawha Blvd. E., Charleston, W.Va</u> Address	<u>Marsh Fork</u> District
<u>Rowland Land Co,</u> Lease or Property Owner	<u>Raleigh</u> County
<u>Address</u>	WELL NO. <u>047-081-00802 (Rowland #27)</u>
STATE INSPECTOR SUPERVISING PLUGGING	<u>Rowland Land Co.</u> Farm <u>Rod Dillon</u>

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Kanawha ss:

Brain Barker and _____
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 Allegheny & Western Energy Corp, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 8 day of August, 19 88, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
Bridge Plug 4190 squeeze cmt into perfs cut 4½ 2650 cmt	100' cmt on top of plug		2650	1740
free point 7" at 700' cut 7" at 700" 525 to 625 cmt 50 to 525 Gel 0 to 50 cmt	200' over plug		700'	1740
<i>95%</i>			<i>0</i>	<i>575</i>
Coal Seams		<i>[Signature]</i> 7/9/90 Description of Monument		
(Name)		7" pipe buried 23' W/3'		
(Name)		above with tag		
(Name)				
(Name)				

and that the work of plugging and filling said well was completed on the 8 day of August, 19 88.
And further deponents saith not. Brain Barker

Sworn to and subscribed before me this 5 day of July, 19 90.
Francis C. Sullivan
Notary Public

My commission expires:
January 12, 1992 Permit No. JUL 16 1990