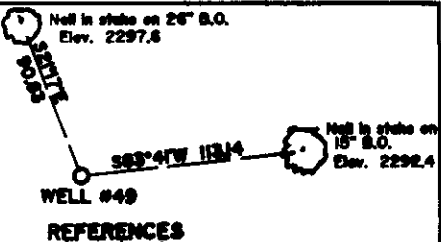
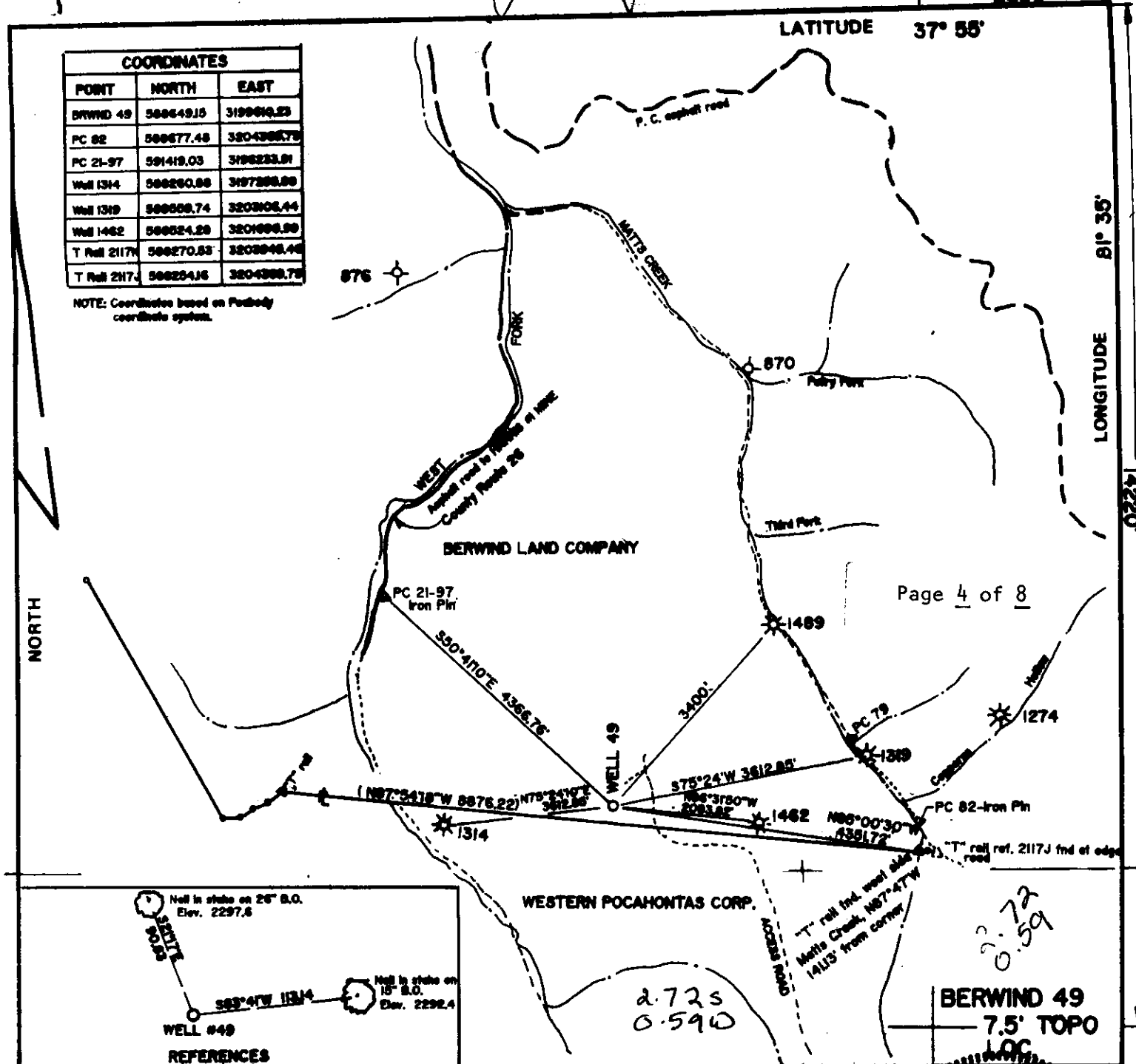


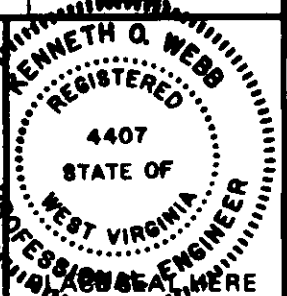
COORDINATES		
POINT	NORTH	EAST
BRWD 49	588649.15	3198819.23
PC 82	588677.48	3204388.78
PC 21-97	591419.03	3198233.91
Well 1314	588260.88	3197299.88
Well 1319	588668.74	3203106.44
Well 1462	588624.29	3201896.99
T Rail 2117	588270.83	3202848.48
T Rail 2117	588224.16	3204388.78

NOTE: Coordinates based on Peabody coordinate system.



FILE NO. 92 - 07
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1:5000
 PROVEN SOURCE OF ELEVATION Peabody Coal I. Pln PC. 79
Elev. 1520.70

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) Kenneth O. Webb
 R.P.E. WV 4407 L.L.S. _____



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



DATE Feb 27 19 92
 OPERATOR'S WELL NO. BERWIND 49
 API WELL NO. WVB00000949
47 - 005 - 1618
 STATE COUNTY PERMIT
 Formerly: 005-1563

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 2295 WATER SHED WEST FORK
 DISTRICT CROOK COUNTY BOONE
 QUADRANGLE WHITEVILLE Bald Knob C
 SURFACE OWNER BERWIND LAND COMPANY Tract # 43 ACREAGE 118.05 of 8044 ACRES
 OIL & GAS ROYALTY OWNER BERWIND LAND COMPANY LEASE ACREAGE 8044 ACRES
 LEASE NO. _____
 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 LOWER WEIR ESTIMATED DEPTH 4144
 WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI
 ADDRESS 906 N SLENVILLE, WEST VIRGINIA 26361 ADDRESS 501 56TH STREET CHARLESTON, WEST VIRGINIA 25304

6-6 247

BOONE-1618

RECEIVED
WV Division of
Environmental Protection

Page 1 of 8
Form WW2-A
(09/87)

OCT 17 1994

Permitting
Office of Oil & Gas

- 1) Date: October 13, 1994
- 2) Operator's well number
Berwind Land #49 - WV800000949
- 3) API Well No: 47 - 005 - 1563- 1618
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: Ray Brainard
Address _____
 - (c) Name _____
Address _____
- 6) Inspector Richard S. Campbell
Address P.O. Box 168
Hamlin, WV 25523
Telephone (304)- _____

- 5) (a) Coal Operator:
 - Name Eastern Associated Coal Company
Address 800 Laidley Tower
Charleston, WV 25324
 - (b) Coal Owner(s) with Declaration
Name Berwind Land Company
Address 1050 One Valley Square
Charleston, WV 25301
~~XXXX~~ Attn: Ray Brainard
Address _____
 - (c) Coal Lessee with Declaration
Name Eastern Associated Coal Company
Address 800 Laidley Tower
Charleston, WV 25324

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
~~XXXX~~ 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 _____ on the above named parties, by:

- ~~XXXX~~ 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 Eastern American Energy Corporation
By: John M. Paletti John M. Paletti
Its: Designated Agent
Address 501 56th Street
Charleston, WV 25304
Telephone (304)925-6100

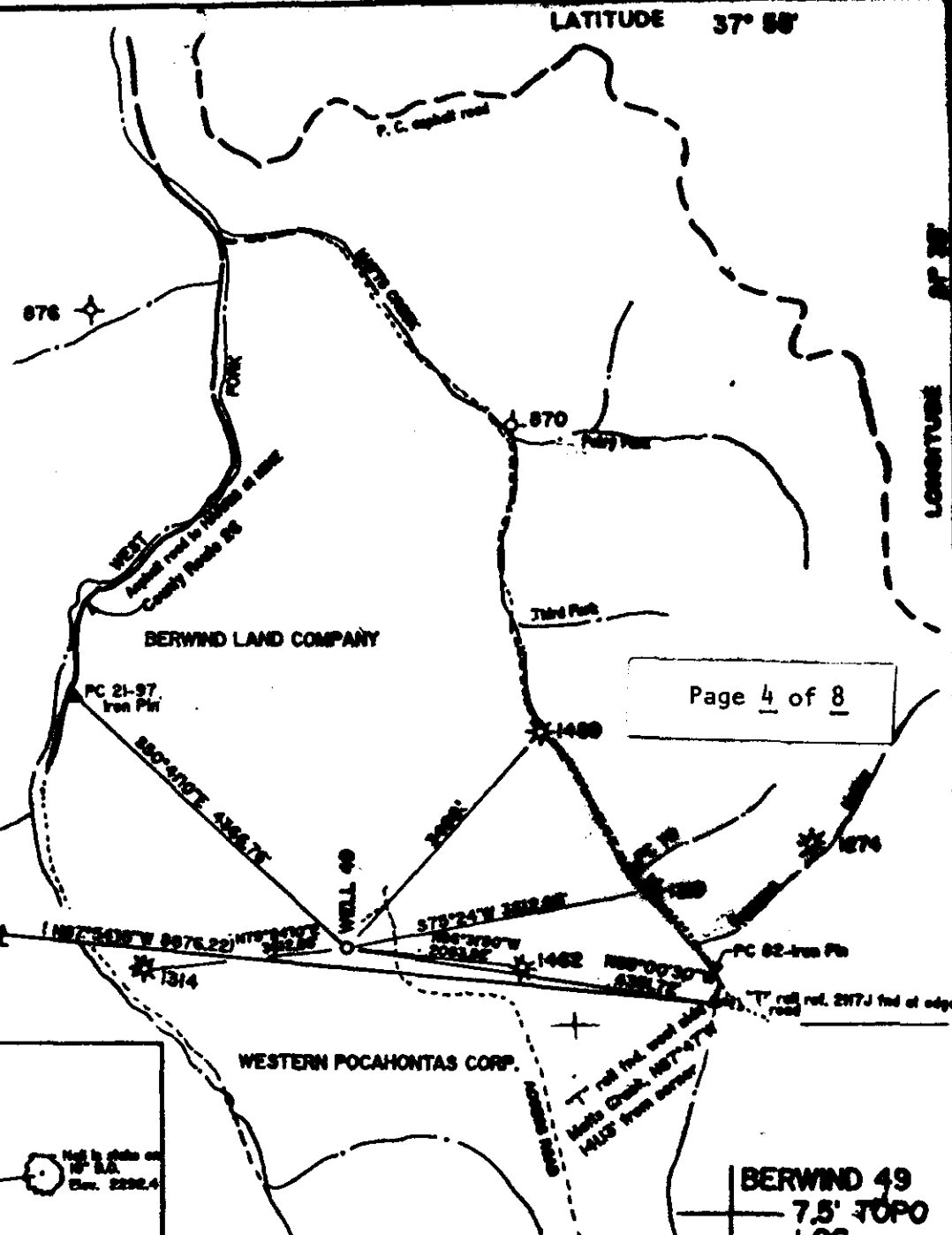
Subscribed and sworn before me this 13th day of October, 19 94

My commission expires November 26, 1996 Notary Public

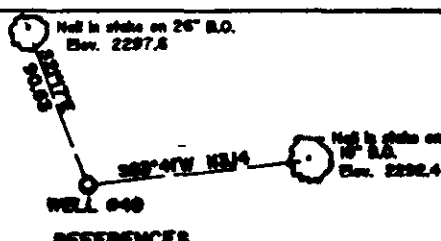
LATITUDE 37° 58'

COORDINATES		
POINT	NORTH	EAST
BRWD 49	588648.15	319880.23
PC 82	588677.48	320438.78
PC 21-97	581418.03	319823.91
Well 1214	588250.88	3197298.88
Well 1219	588888.74	3203106.44
Well 1462	588824.28	3201690.88
T Well 2177	588270.83	3203848.48
T Well 217J	588254.96	320438.78

NOTE: Coordinates based on Peabody coordinate system.



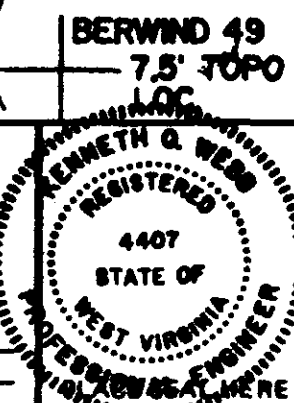
Page 4 of 8



REFERENCES

FILE NO. 82-07
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1/5000
 PROVEN SOURCE OF ELEVATION Peabody Coal L Pln PC. 79
Elev. 1529.79

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) Kenneth G. Webb
 R.P.E. WV 4407 L.L.S. _____



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



DATE Feb 27, 19 82
 OPERATOR'S WELL NO. BERWIND 49
 API WELL NO. WV800000949
47 - 005 - 1563
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

See: 005-1618

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS," PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 2298 WATER SHED WEST FORK
 DISTRICT CROOK COUNTY BOONE
 QUADRANGLE WHITEVILLE
 SURFACE OWNER BERWIND LAND COMPANY Tract # 48 ACREAGE 118.05 of 8044 ACRES
 OIL & GAS ROYALTY OWNER BERWIND LAND COMPANY LEASE ACREAGE 8044 ACRES
 LEASE NO. _____
 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 LOWER WEIR ESTIMATED DEPTH 4144
 WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI
 ADDRESS BOX 11 ADDRESS 801 56TH STREET
OLENDALE, WEST VIRGINIA 26001 CHARLESTON, WEST VIRGINIA 25304

007 2 1994

2650'

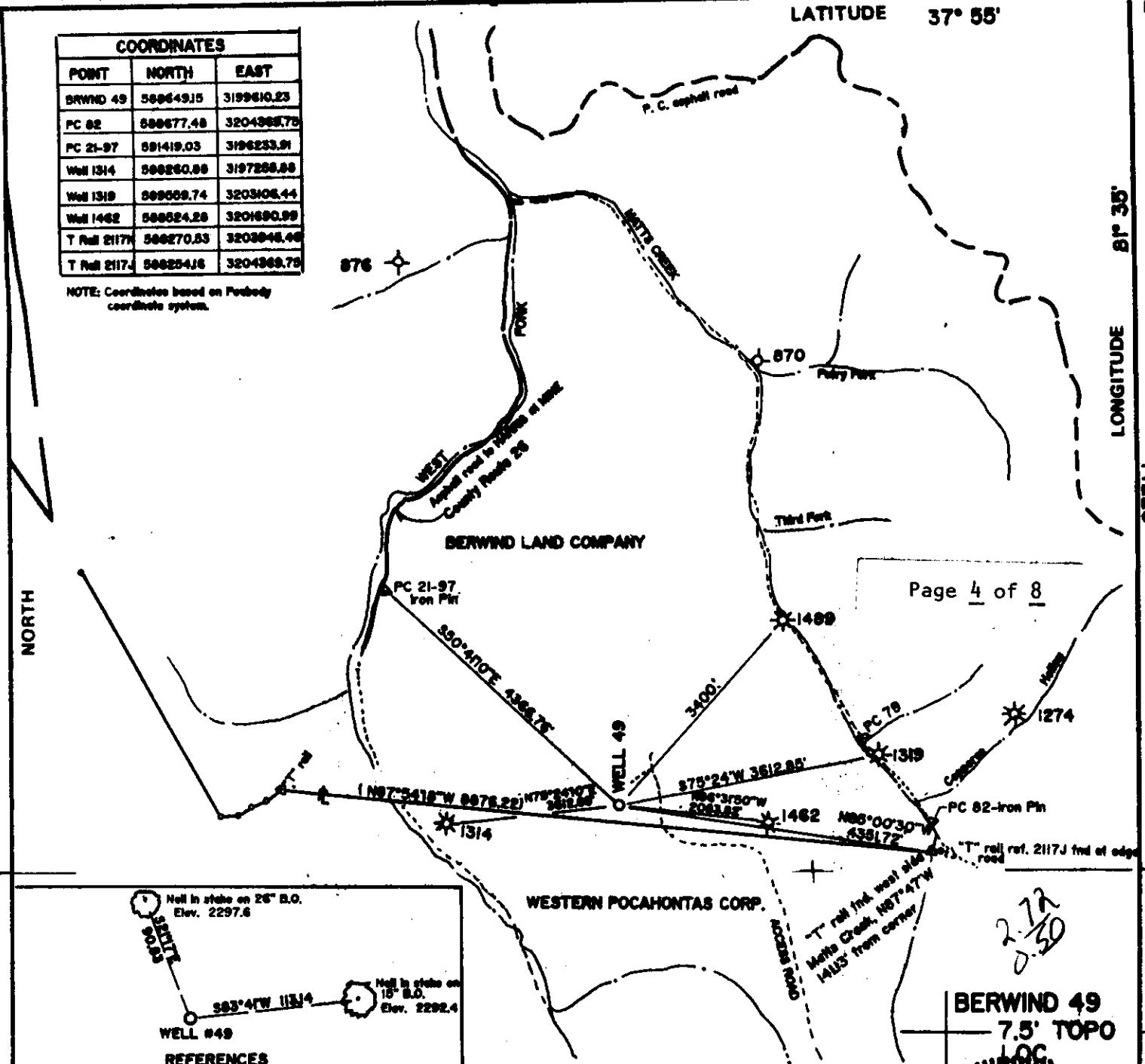
LATITUDE 37° 55'

LONGITUDE 81° 35'

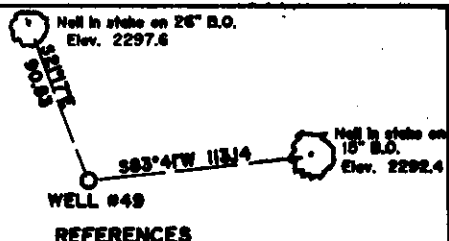
14220'

COORDINATES		
POINT	NORTH	EAST
BRWIND 49	588649.15	3199610.23
PC 82	588677.48	3204988.78
PC 21-97	581419.03	3196233.91
Well 1314	588250.88	3197288.88
Well 1318	588588.74	3203106.44
Well 1462	588524.28	3201890.99
T Nail 2117J	588270.83	3203848.46
T Nail 2117	588254.16	3204368.78

NOTE: Coordinates based on Potbury coordinate system.



Page 4 of 8



WESTERN POCAHONTAS CORP.

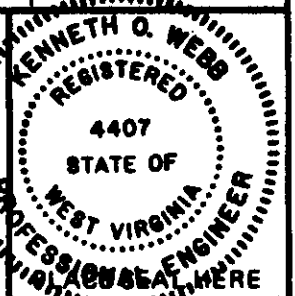
272
030

BERWIND 49
7.5' TOPO
LOC

FILE NO. 92-07
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1:5000
 PROVEN SOURCE OF ELEVATION Potbury Coal I. Pln PC. 79
 Elev. 1520.70

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) Kenneth O. Webb
 R.P.E. WV 4407 L.L.S.



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



DATE Feb 27, 19 92
 OPERATOR'S WELL NO. BERWIND 49
 API WELL NO. WVB00000949
47-005-1563
 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 ___ STORAGE X DEEP ___ SHALLOW X

LOCATION: ELEVATION 2293 WATER SHED WEST FORK
 DISTRICT CROOK COUNTY BOONE
 QUADRANGLE WHITESVILLE Bald Knob

SURFACE OWNER BERWIND LAND COMPANY Tract # 43 ACREAGE 118.05 of 8044 ACRES
 OIL & GAS ROYALTY OWNER BERWIND LAND COMPANY LEASE ACREAGE 8044 ACRES
 LEASE NO. _____

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 LOWER WEIR ESTIMATED DEPTH 4144
 WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI
 ADDRESS BOX N 254 ADDRESS 501 86TH STREET
BLENNVILLE, WEST VIRGINIA 26304 CHARLESTON, WEST VIRGINIA 26304

NOV 6 1992

NOV 29 1994

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: BERWIND LAND COMPANY

Operator Well No.: BERWIND #49

LOCATION: Elevation: 2,293.00 Quadrangle: WHITESVILLE

District: CROOK County: BOONE
Latitude: 14220 Feet South of 37 Deg. 55Min. 0 Sec.
Longitude 2650 Feet West of 81 Deg. 35 Min. 0 Sec.

Company: EASTERN AMERICAN ENERGY C
P.O. BOX 820
GLENVILLE, WV 26351-0820

Agent: DONALD C. SUPCOE

Inspector: RICHARD CAMPBELL
Permit Issued: 11/02/94
Well work Commenced: 10-26-94
Well work Completed: 11-03-94
Verbal Plugging
Permission granted on:
Rotary XXX Cable Rig
Total Depth (feet) 4144'
Fresh water depths (ft) 605'

Salt water depths (ft) none

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8"	1370'	1370'	CTS 500 SXS
7"	2528'	2528'	CTS 400 SXS
4 1/2"	-----	4123'	50 SXS

Is coal being mined in area (Y/N)? Y
Coal Depths (ft): 103'-105', 342'-346',
470'-474', 489'-492', 870'-873'open, 932'-934'
open, 995'-998'open, 1160'-1163', 1193'-1193'open.
OPEN FLOW DATA

Producing formation Lower Weir Pay zone depth (ft) 4014'-4023'
Gas: Initial open flow 133 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 103 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 140 psig (surface pressure) after 24 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: EASTERN AMERICAN ENERGY CORP.

By: [Signature] Senior Drilling
Date: November 21, 1994 [Signature] Supervisor

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

One Stage Frac:

Lower Weir; 19 holes (4014'-4023'), Fraced w/energized water, 30 lbs gel/1000 gals, 60,000 lbs of 20/40 sand, 500 gals of 15% HCl acid and 136,000 scf of N2.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
UNCONSOLIDATED			0	3	
SHALE			3	5	SOAPHOLE @ 608' 1/2" = H2o
SANDY SHALE			5	7	
SAND & SANDY SHALE			7	103	GAS CHECKS:
COAL			103	105	1774' - NO SHOW
SANDY SHALE			105	342	2037' - NO SHOW
COAL			342	346	2275' - NO SHOW
SANDY SHALE & SAND			346	470	2764' - NO SHOW
COAL			470	474	3018' - NO SHOW
SANDY SHALE			474	489	3303' - NO SHOW
COAL			489	492	3367' - NO SHOW
SANDY SHALE			492	710	3526' - NO SHOW
SAND			710	805	3651' - NO SHOW
SHALE			805	870	3651' - NO SHOW (ODOR)
COAL - OPEN SHAFT?			870	873	3745' - NO SHOW (ODOR)
SANDY SHALE			873	893	3807' - NO SHOW (ODOR)
SAND			893	903	3964' - NO SHOW
SHALE			903	932	3995' - NO SHOW (ODOR)
OPEN SHAFT			932	934	"TD" - NO SHOW (ODOR)
SANDY SHALE			934	995	"DC" - NO SHOW (ODOR)
OPEN SHAFT			995	998	
SANDY SHALE			998	1018	
SAND			1018	1080	
SANDY SHALE			1080	1160	
COAL			1160	1163	
SANDY SHALE			1163	1193	
COAL - OPEN SHAFT			1193	1198	
SHALE			1198	1210	
SANDY SHALE			1210	1325	
SAND			1325	1376	
SHALE			1376	1400	
SANDY SHALE			1400	1600	
SAND & SHALE			1600	1820	
SAND			1820	1898	
SHALE W/ SOME SAND			1898	2042	
SALT SAND			2042	2355	

(Attach separate sheets as necessary)

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 & SHALE			2355	2679	
RAVENCLIFF			2679	2710	
SHALE W/SAND			2710	2800	
AVIS LIMESTONE			2800	2834	
SHALE W/SOME SAND			2834	2953	
MAXTON			2953	3154	
SHALE W/TR SAND			3154	3263	
LOWER MAXTON			3263	3298	
SHALE			3298	3333	
LITTLE LIME			3333	3386	
PENCIL CAVE			3386	3416	
BIG LIME			3416	3738	
SHALE & DOLOMITE & SAND			3738	3844	
UPPER WEIR			3844	3868	
SHALE			3868	3993	
LOWER WEIR			3993	4034	
SHALE			4023	4144	
		TOTAL DEPTH		4144	

OCT 0 1 92

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

Page 2 of 4
Berwind Land #4
WVBO0000949

1) Well Operator: Eastern American Energy Corporation 14980 (1) 6

2) Operator's Well Number: Berwind Land #49 3) Elevation: 2293'
WVBO0000949

4) Well type: (a) Oil___/ or GasXX/ *Issued 11/02/92*
Expires 11/02/94
(b) If Gas: ProductionXX/ Underground Storage___/
Deep___/ ShallowXX/

5) Proposed Target Formation(s): Lower Weir ⁵²⁷

6) Proposed Total Depth: 4144 feet

7) Approximate fresh water strata depths: 104', 218', 403', 682'

8) Approximate salt water depths: 2214', 2905'

9) Approximate coal seam depths: 102'-107', 920'-923' (POSSIBLE OPEN SHAFT), 973'-976', 1026'-1031', 1178'-1184', 1317'-1321'

10) Does land contain coal seams tributary to active mine? Yes___/ No XX/

11) Proposed Well Work: Drill and complete new well.

12) Deepest Red Rock: None listed.

13) Offsets: Boo-1314, 1315, 1317, 1318, 1462, 1278.

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	13-3/8"	F-25	37.0	40'		
Fresh Water	8-5/8"	F-25	20.0			C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Coal	9-5/8"	F-25	26.0	1371'	1371'	C.T.S.
Intermediate	*7"	H-40	17.0			C.T. 9-5/8"
Production	4-1/2"	J-55	10.5	4059'	4059'	38CSR18-11.1
Tubing						
Liners						

14357

* OPTIONAL: Based upon coal or water being encountered below the 9-5/8" casing.

PACKERS: Kind _____
Sizes _____
Depths set _____

24611/33

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond _____ Agen
(Type)

JSR/kd

RECEIVED

Office of Oil & Gas
Department of Energy

OCT 01 92

Permitting
Office of Oil & Gas

- 1) Date: September 28, 1992
- 2) Operator's well number
Berwind Land #49 - WVB00000949
- 3) API Well No: 47 - 005 - 1563
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
 - ~~XXXXXX~~ Attn: Ray Brainard
 - Address _____
 - (c) Name _____
 - Address _____
- 6) Inspector Richard S. Campbell
- Address P.O. Box 168
Hamlin, WV 25523
- Telephone (304)- _____

- 5) (a) Coal Operator:
 - Name Eastern Associated Coal Company
 - Address 800 Laidley Tower
Charleston, WV 25324
- (b) Coal Owner(s) with Declaration
 - Name Berwind Land Company
 - Address 1050 One Valley Square
Charleston, WV 25301
 - ~~XXXXXX~~ Attn: Ray Brainard
 - Address _____
- (c) Coal Lessee with Declaration
 - Name Eastern Associated Coal Company
 - Address 800 Laidley Tower
Charleston, WV ~~25324~~

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
XXX Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

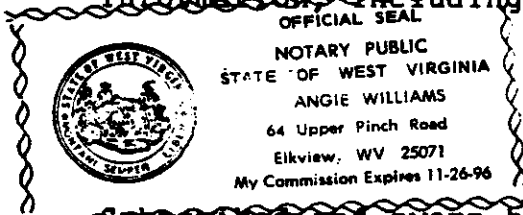
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 8 on the above named parties, by:

- _____ Personal Service (Affidavit attached)
- XXX 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 EASTERN AMERICAN ENERGY CORPORATION
 By: John M. Paletti John M. Paletti
 Its: Designated Agent
 Address 501 56th Street
Charleston, WV 25304
 Telephone (304)925-6100

Subscribed and sworn before me this 28th day of September, 1992

Angie Williams Notary Public
My commission expires November 26, 1996

RECEIVED
WV Division of
Environmental Protection

005-1618 Issued 11/2/94

FORM WW-2B
OCT 17 1994

Page 3 of 8
Berwind Land #49
WVB00000949

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

Permitting
Office of Oil & Gas

Expires 11/2/96
① 677

19913

- 1) Well Operator: Eastern American Energy Corporation 14980
- 2) Operator's Well Number: Berwind Land #49 3) Elevation: 2293'
WVB00000949
- 4) Well type: (a) Oil or Gas
(b) If Gas: Production / Underground Storage
Deep Shallow
- 5) Proposed Target Formation(s): Lower Weir 287
- 6) Proposed Total Depth: 4144 feet
- 7) Approximate fresh water strata depths: 104', 218', 403', 682'
- 8) Approximate salt water depths: 2214', 2905'
- 9) Approximate coal seam depths: 102'-107', 920'-923' (POSSIBLE OPEN SHAFT),
- 10) Does land contain coal seams tributary to active mine? Yes / No
973'-976', 1026'-1031', 1178'-1184', 1317'-1321'
- 11) Proposed Well Work: DRILL AND COMPLETE NEW WELL.
- 12) DEEPEST RED ROCK: NONE LISTED. 13) OFFSETS: 800-1314, 800-1315, 800-1317,
800-1318, 800-1462, 800-1278

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	13-3/8"	F-25	37.0	40'		
Fresh Water	8-5/8"	F-25	20.0			38CSR18-11.3 38CSR18-11.2
Coal	9-5/8"	F-25	26.0	1371'	1371'	C.T.S.
Intermediate	* 7"	H-40	17.0			C.T. 9-5/8"
Production	4-1/2"	J-55	10.5	4059'	4059'	38CSR18-11.1
Tubing						
Liners						

* OPTIONAL: Based upon coal or water being encountered below the 9-5/8" casing.

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond _____ Agent
 (Type)

4623
33

17