

Janice 6/12/89

COLE AND CRANE REAL ESTATE TRUST

CROOK DISTRICT

MARSH FORK DISTRICT

PROPOSED EUNICE #14A
COAL COORDINATES
N:607936.875
E:3206456.174

BERWIND LAND COMPANY, LTD.
REF. A (MASONARY NAIL IN HIGHWALL)

REFERENCES
1" = 100'

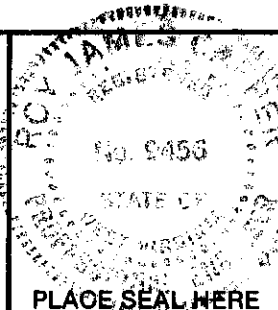
PREPARED BY: ELS, INC.
P.O. BOX 8372, SO. CHAS., WV 25303
PHONE: 304-722-4136

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

FILE NO. POC-89-081A
DRAWING NO. 89-05
SCALE 1" = 2000'
MINIMUM DEGREE OF
ACCURACY 1 IN 5000
PROVEN SOURCE OF
ELEVATION HIGH POINT +800'
NORTH OF LOCATION (2212)

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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF ENERGY.

(SIGNED) Ray James Capper
R.P.E. 9456 L.L.S. _____



PLACE SEAL HERE

WEST VIRGINIA

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



DATE 30 MAY, 19 89
OPERATOR'S WELL NO. EUNICE #14A
API WELL NO. 47-081-00872-P

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 2075.1 WATER SHED UNAMED BRANCH OF MARSH FORK
DISTRICT MARSH FORK COUNTY RALEIGH

QUADRANGLE WHITESVILLE 7.5'
SURFACE OWNER WESTERN POCAHONTAS PROPERTIES, LTD. ACREAGE 2702.07
OIL & GAS ROYALTY OWNER TOTAL MINE-TOME CORP. LEASE ACREAGE 2702.07

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 _____ ESTIMATED DEPTH _____
*Existing well drilled in 1989 TO 3944' Production from Blair's Big Lime
Permanent Plugging for Mine-through
(see Boone Fract).*

WELL OPERATOR _____ DESIGNATED AG Timothy Comer
ADDRESS 140 Boone East Development Co. ADDRESS 11 PO Box 750
CHA 315 70th Street S.E. C 1020A Grosscup Ave.
Charleston, WV 25304 _____ Dimbar, WV 25064

SEP 30 2005

LONGITUDE 81° 32' 30"

10401

COUNTY NAME

PERMIT

CANCEL

RALEIGH

0872

CANCEL

7050'

Jamie 6/12/89

COLE AND CRANE REAL ESTATE TRUST

CROOK DISTRICT

LATITUDE

37° 57' 30"

MARSH FORK DISTRICT

LONGITUDE 81° 32' 30"

10410'

PROPOSED EUNICE #14A
COAL COORDINATES
N:607938875
E:3206456J74

N 13° 12' 16" W 8739.90'

BERWIND LAND COMPANY, LTD.
REF. A (MASONRY MARK IN HIGHWALL)

N 17° 51' 13" W 10515'

REFERENCES
1" = 100'

S 83° 32' 26" E 179.87'

WESTERN POCAHONTAS PROPERTIES, LTD.
(SURFACE AND COAL)

TOTAL MINETOME CORPORATION
(OIL AND GAS)
2702.07 ACRES

N 08° 39' 46" E 6542.01'

N 88° 49' 00" W 125.89'

N 87° 52' 43" W 2541.74'

N 87° 52' 43" W 900.03'

REF. B (MARKED BOULDER)

PREPARED BY: ELS, INC.
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(SIGNED) *Ray James Cupper*
R.P.E. 9456 L.L.S.

PLACE SEAL HERE

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



DATE 30 MAY, 19 89
OPERATOR'S WELL NO. EUNICE #14A
API WELL NO. 47-081-00872-P

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 2076.1 WATER SHED UNAMED BRANCH OF MARSH FORK
DISTRICT MARSH FORK COUNTY RALEIGH
QUADRANGLE WHITESVILLE 7.5'
SURFACE OWNER WESTERN POCAHONTAS PROPERTIES, LTD. ACREAGE 2702.07
OIL & GAS ROYALTY OWNER TOTAL MINETOME CORP. LEASE ACREAGE 2702.07
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)
Existing well drilled in 1989 TO 3944' Production from Ulen's Big Lime
PLUG AND ABANDON CLEAN OUT AND REPLUG Permanent Plugging for Mine through
TARGET FORMATION _____ ESTIMATED DEPTH _____ Big Box No. Fract.
WELL OPERATOR _____ DESIGNATED AG Timothy Comer
ADDRESS 1401 Boone East Development Co. ADDRESS 1 PO Box 750
CHA 315 70th Street S.E.

JAN 11 2002

FORM WW-6

RALEIGH COUNTY NAME PERMIT 0872 P

James 6/12/89

COLE AND CRANE REAL ESTATE TRUST

CROOK DISTRICT

MARSH FORK DISTRICT

PROPOSED EUNICE #14A
COAL COORDINATES
N:607936.875
E:3206456.74

BERWIND LAND COMPANY, LTD.
REF.A (MASONARY NAIL IN HIGHWALL)

WESTERN POCAHONTAS PROPERTIES, LTD.
(SURFACE AND COAL)

TOTAL MINETOME CORPORATION
(OIL AND GAS)
2702.07 ACRES

REFERENCES
1" = 100'

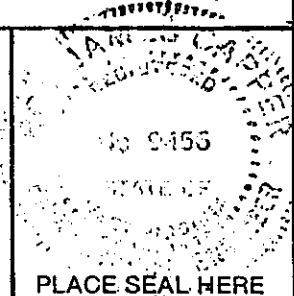
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(SIGNED) *Roy James Copper*
R.P.E. 9456 L.L.S. _____



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



DATE 30 MAY 19 89
OPERATOR'S WELL NO. EUNICE #14A
API WELL NO. 47-081-00872-P
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 2075.1 WATER SHED UNAMED BRANCH OF MARSH FORK
DISTRICT MARSH FORK COUNTY RALEIGH
QUADRANGLE WHITESVILLE 7.5'
SURFACE OWNER WESTERN POCAHONTAS PROPERTIES, LTD. ACREAGE 2702.07
OIL & GAS ROYALTY OWNER TOTAL MINETOME CORP. LEASE ACREAGE 2702.07
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)
Existing well drilled in 1989 TD. 3944' Production from Blair's Big Lime
Permanent Plugging for Mine-through
By Boone East.
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION ___ ESTIMATED DEPTH ___
WELL OPERATOR PEAKE OPERATING COMPANY DESIGNATED AGENT TOM LIBERATORE
ADDRESS 1401 CNB PLAZA ADDRESS 1401 CNB PLAZA FEB 08 1999
CHARLESTON, WV 25301 CHARLESTON, WV 25301

COUNTY NAME RALEIGH
PERMIT 0872-P

Jamie 6/12/89

COLE AND CRANE REAL ESTATE TRUST

LATITUDE 37° 57' 30"

CROOK DISTRICT

MARSH FORK DISTRICT

LONGITUDE 81° 32' 30"
10410'

NORTH

PROPOSED EUNICE #14A
COAL COORDINATES
N:607936.875
E:3206456.174

*4.85
360*

*1.915
134W*

N 13° 12' 16" W 8736.90'

N 09° 39' 46" E 6542.01'

WESTERN POCAHONTAS PROPERTIES, LTD.
(SURFACE AND COAL)

TOTAL MINETOME CORPORATION
(OIL AND GAS)
2702.07 ACRES

BERWIND LAND COMPANY, LTD.
REF.A (MASONRY NAIL IN HIGHWALL)

N 17° 51' 13" W 10515'

REFERENCES
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JAMES CREEK

N 66° 49' 00" W 125.69'

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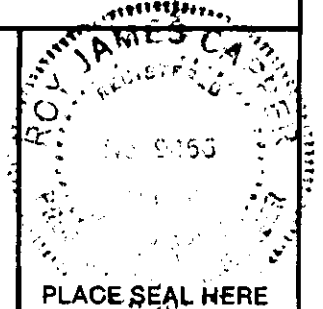
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MENT OF ENERGY.

(SIGNED) *Ray James Copper*
R.P.S. 8456 L.L.S. _____



PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE 30 MAY, 19 89
OPERATOR'S WELL NO. EUNICE #14A
API WELL NO. _____

47 - 081 - 0872
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 2075.1 WATERSHED UNAMED BRANCH OF MARSH FORK
DISTRICT MARSH FORK 2 COUNTY RALEIGH
QUADRANGLE WHITESVILLE 7.5' 677 006 3 Bald Knob NE
SURFACE OWNER WESTERN POCAHONTAS PROPERTIES, LTD. ACREAGE 2702.07
OIL & GAS ROYALTY OWNER TOTAL MINETOME CORP. LEASE ACREAGE 2702.07
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 0669 ESTIMATED DEPTH _____
WELL OPERATOR PEAKE OPERATING COMPANY DESIGNATED AGENT TOM LIBERATORE
ADDRESS 1401 CNB PLAZA ADDRESS 1401 CNB PLAZA
CHARLESTON, WV 25301 CHARLESTON, WV 25301

JUN 10 1989

COUNTY NAME

PERMIT

RECEIVED
SEP 14 1989

081-00872

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

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Well Operator's Report of Well Work

Farm Name: WESTERN POCAHONTAS PROP.

Operator's Well No: EUNICE 14-A

LOCATION: Elevation: 2075.10

Quadrangle: WHITESVILLE

District: MARSH FORK

County: RALEIGH

Latitude: 10410

Feet South of 37 Deg. 57 Min. 30 Sec.

Longitude: 7050

Feet West of 81 Deg. 32 Min. 30 Sec.

Company: PEAKE OPERATING COMPANY
1401 CHARLESTON NAT'L PLAZA
CHARLESTON, WV 25301

Agent: Thomas S. Liberatore

Inspector: Rodney G. Dillon
Permit Issued: 06/16/89
Well work Commenced: 06/24/89
Well work Completed: 07/03/89
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 3916'KB
Fresh water depths (ft) 470'KB
Salt water depths (ft) 1360'KB

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	18'	18'	CTS.
12-3/4"	365'	365'	160 Sks.
9-5/8"	964'	964'	395 Sks.
7"	2230'	2230'	375 Sks.
4-1/2"	3869'	3869'	133 Sks.

Is coal being mined in area (Y/N)? N
Coal depths (ft): 185', 318', 915', 1095'KB

OPEN FLOW DATA

Producing formation Weir Pay zone depth (ft) 3604' - 3777'
Gas: Initial open flow 0/119 Mcf/d Oil: Initial open flow _____ bbl/d
Final open flow 150/550 Mcf/d Final open flow _____ bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 640 psig (surface pressure) after 16 Hours

Second producing formation Big Lime Pay zone depth (ft) _____
Gas: Initial open flow 119 Mcf/d Oil: Initial open flow _____ bbl/d
Final open flow 400 Mcf/d Final open flow _____ bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure not taken psig (surface pressure) after _____ Hours

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

For: Thomas S. Liberatore
PEAKE OPERATING COMPANY

By: Thomas S. Liberatore/Operations Man.
Date: 9-14-89

SEP 15 1989

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

- 1) Well Operator: PEAKE OPERATING COMPANY 37100 2, 676
- 2) Operator's Well Number: Eunice 14-A 3) Elevation: 2075.1
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Devonian Shale
- 6) Proposed Total Depth: 3930 feet
- 7) Approximate fresh water strata depths: 900' ASL (water table map)
- 8) Approximate salt water depths: 600' ASL (water table maps)
- 9) Approximate coal seam depths: 1150' ASL
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drill and stimulate. New Well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	16"	H-40	65#	30'	30'	CTS
Fresh Water	13-3/8"	H-40	48#	410'	410'	CTS 38CSR18-11.3
Coal	9-5/8"	H-40	32#	980'	980'	CTS 38CSR18-11.2.5
Intermediate	7"	J-55	17#	2290'	2290'	CTS
Production	4-1/2"	J-55	9.5#	3920'	3920'	150 sks.
Tubing	2-3/8"			3910'	3910'	38CSR18-11.1
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

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JUN 05 1989

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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

7501

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JUN 05 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: June 2, 1989
2) Operator's well number
Eunice 14-A
3) API Well No: 47 - 081 - 0872
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 Western Pocahontas Prop. Ltd.
Address Box 2827 Ptnrship
Huntington, WV 25727
 - (b) Name Attn: David T. Morrison
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
Name Peabody Coal Kesscoal
Address Box 1233 Box 130
Chas., 25324 Whitesville, 25209
- (b) Coal Owner(s) with Declaration
Name Western Pocahontas Prop. Ltd. Ptnrship
Address Box 2827
Huntington, WV 25727
Name Attn: Kevin Wall
Address _____
 - (c) Coal Lessee with Declaration
Name Primeacre Land Corp. Attn: Tim Comer
Address 7012 MacCorkle Ave., SE
Charleston, WV 25304
- 6) Inspector Rodney Dillon
Address Box 1526
Sophia, WV 25921
Telephone (304)-465-1911

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
y 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:

- ___ Personal Service (Affidavit attached)
- y 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.

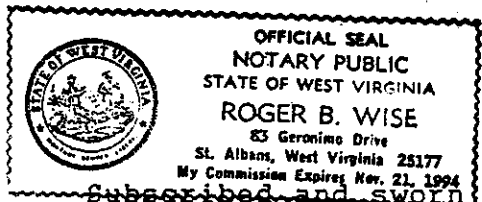
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true,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

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

Well Operator PEAK OPERATING COMPANY
By: Thomas J. [Signature]
Its: Operations Manager
Address Suite 1401 Charleston National Plaza
Charleston, West Virginia 25301
Telephone (304) 342-6970

Subscribed and sworn before me this 2ND day of JUNE, 19 89

[Signature] Notary Public
My commission expires November 21, 1994



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

07/17/89 Perforated Weir 3604' 0 3777' (32 holes) and fraced using 1000g HCl, 37,600# 20/40, 600.9 MCF N2, 332 BBLD Fluid. BDP 2770#, ATP 2500#, ISIP 1750#. 15 MIN. SIP 1337#.

07/19/89 Perforated Big Lime 3402' - 3408' (20 holes.) Acidized using 1000g 28 and 8,000g 15% HCl, 150 bbl flush, BDP 1300#, ATP 1700#, ISIP 1707#, 15 MIN. SIP 1295#

WELL LOG

FORMATION TYPE	TOP FEET	BASE FEET	REMARKS (water, coal, oil, gas)
Sandstone	0	185	Open Mines: 318' - 324' 915' - 920'
Coal	185	188	
Sand & Shale	188	318	Fresh Water 1 GMP @ 470'
Open Mine	318	324	
Sand & Shale	324	1162	Salt Water 1362', 2840'
Sandy Shale	1162	1693	
Sand with Shale	1693	2203	
Shale	2203	2234	Gas Checks @
Sandstone	2234	2310	2736 - No Gas
Shale	2310	2323	2920 - Smell, Tstg
Sandstone	2323	2396	3235 - No Gas
Shale with sandstone	2396	2580	3322 - 10/10 W 1"=33
* Avis Lime	2580	2603	3508 - too much to guage thru 2"
* Shale & Sand	2603	2770	3601 - 8/10 W 2"=119
* Middle Maxton	2770	2850	3694 - 8/10 W 2"=119
* Shale & Limestone	2850	3050	3941 - Tstg
* Lower Maxton	3050	3099	
* Shale	3099	3111	
* Big Lime	3111	3508	
* Sandy Shale	3508	3603	
* Upper & Lower Weir	3603	3782	
	DTD	3941'	
	LTD	3916'	

RECEIVED
SEP 14 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

SEP 15 1989

* - INDICATES ELECTRIC LOG TOPS - FROM KB 5' ABOVE G.L.

FLB 8