

Triangulation data based on Gas Wells 1328 and 1327 data.

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY Trans. Loop 1: 77000
 PROVEN SOURCE OF ELEVATION USGS INDIAN MOUNT.
 E2326

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) [Signature]
 P.E. 3091 I.L.S.



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

DATE MAY 8, 1992
 OPERATOR'S WELL NO. 1338
 API WELL NO. 47-047-1235
 STATE COUNTY PERMIT
 Formerly: 047-1172

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

LOCATION: ELEVATION 2279 WATERSHED PUNCHED CAMP BRANCH OF BROWNS CREEK
 DISTRICT BROWNS CREEK COUNTY MCDOWELL
 QUADRANGLE USGS WELCH, WV (7.5' series)

SURFACE OWNER BERWIND LAND CORP. ACREAGE 982.8
 OIL & GAS ROYALTY OWNER BERWIND LAND CORP. LEASE ACREAGE 7100
 LEASE NO. 2582

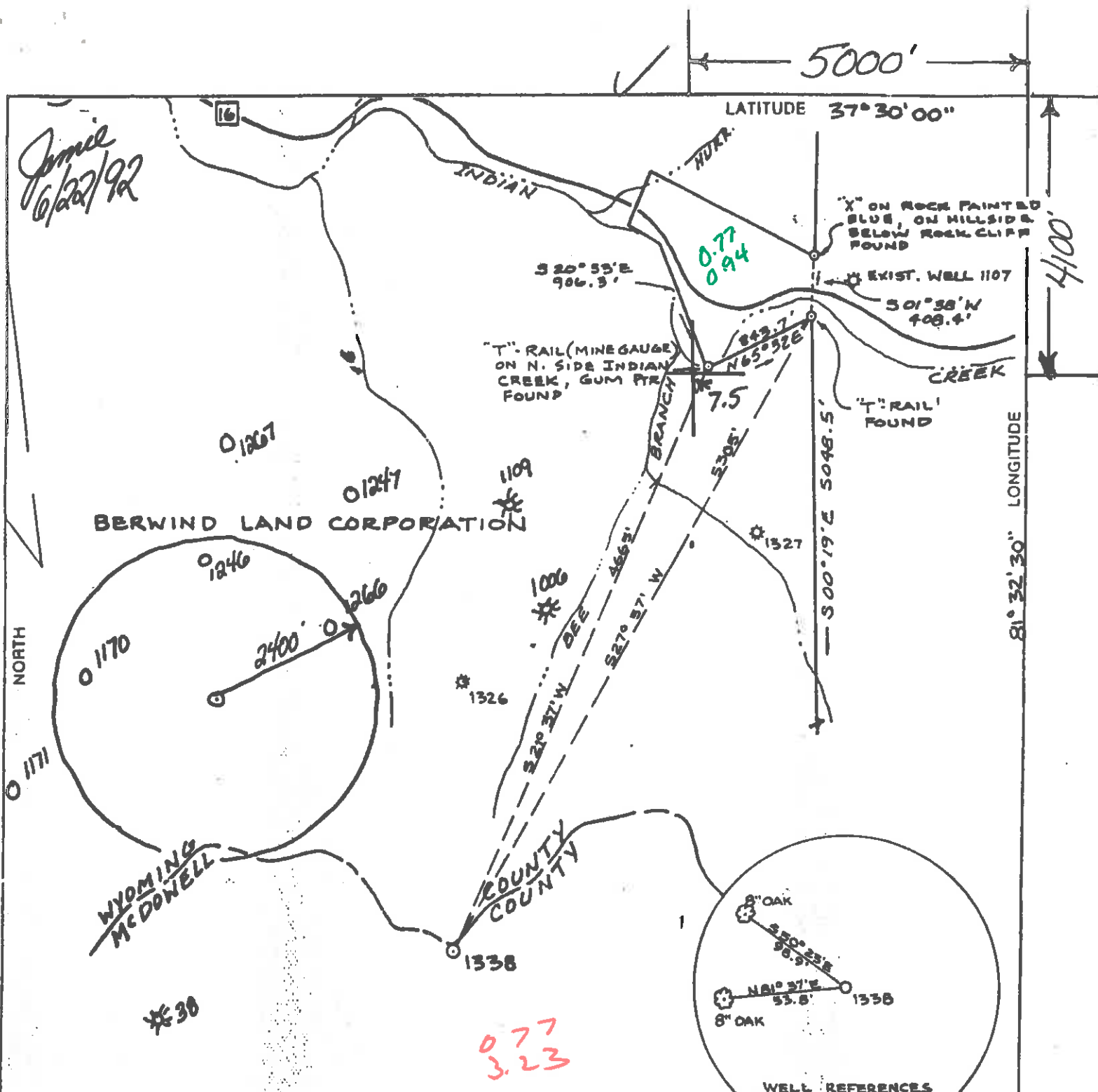
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION BIG LIME ESTIMATED DEPTH 3900'
 WELL OPERATOR MERIDIAN EXPLORATION DESIGNATED AGENT C.T. CORPORATION
 ADDRESS 2800 GULF TOWER, PITTSBURGH, PA ADDRESS 1200 CHARLESTON NATL PLAZA
15219 CHARLESTON, WV, 25301

MAY 28 1994
 6-60

MT HALL (6-7) FORM WV-6

COUNTY NAME MCDOWELL PERMIT



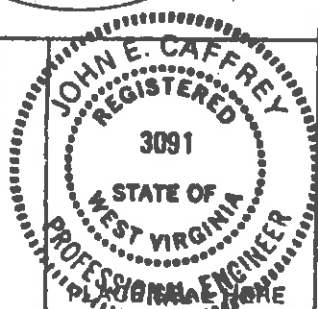
Triangulation data based on Gas Wells 1328 and 1327 data.

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY Trans. Loop 1: 77000
 PROVEN SOURCE OF ELEVATION USGS INDIAN MONU. 83326

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) John E. Caffrey
 P.E. 3091 L.L.S. _____



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



DATE MAY 8, 19 92
 OPERATOR'S WELL NO. 1338
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 2279 WATERSHED PUNcheonCAMP BRANCH OF BROWNS CREEK
 DISTRICT BROWNS CREEK 3 COUNTY MCDOWELL
 QUADRANGLE USGS WELCH WV (7.5' series) Welch NE
 SURFACE OWNER BERWIND LAND CORP. ACREAGE ± 982.8
 OIL & GAS ROYALTY OWNER BERWIND LAND CORP. LEASE ACREAGE 7100
 LEASE NO. 2582

COUNTY NAME

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PERMIT

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION BIG LIME ESTIMATED DEPTH 3900'
 WELL OPERATOR MERIDIAN EXPLORATION DESIGNATED AGENT C.T. CORPORATION
 ADDRESS 2800 GULF TOWER, PITTSBURGH, PA ADDRESS 1200 CHARLESTON NATL PLAZA
15219 4742 CHARLESTON, WV, 25301

JUN 26 1992

RECEIVED
WV Division of
Environmental Protection

NOV 04 1994

28-Jul-94
API # 47- 47-01235

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: CAPLES RESOURCES, INC. Operator Well No.: 1338

LOCATION: Elevation: 2,279.00 Quadrangle: WELCH

District: BROWNS CREEK County: MCDOWELL
Latitude: 4100 Feet South of 37 Deg. 30Min. 0 Sec.
Longitude 5000 Feet West of 81 Deg. 32 Min. 30 Sec.

Company: MERIDIAN EXPLORATION CORP
707 GRANT STREET SUITE 2800
PITTSBURGH, PA 15219-0000

Agent: JOHN O. KIZER (C T CORP)

Inspector: OFIE HELMICK
Permit Issued: 07/26/94
Well work Commenced: 08/26/94
Well work Completed: 08/31/94
Verbal Plugging
Permission granted on: _____
Rotary x Cable _____ Rig
Total Depth (feet) 3530
Fresh water depths (ft) _____
409; 1240
Salt water depths (ft) _____
n/a

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 372-375; 1240-1246

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	21'	21'	
7"	1318'	1318'	220 sks
4 1/2"	3510'	3510'	175 sks

OPEN FLOW DATA

Producing formation Big Lime Pay zone depth (ft) 3315-3319
Gas: Initial open flow _____ MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 60 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 400 psig (surface pressure) after 72 Hours

Second producing formation Maxton Pay zone depth (ft) 2664-2674
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow co-mingled 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

Third producing formation Ravencliff Pay zone depth (ft) 2006-2016
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: MERIDIAN EXPLORATION CORP.

By: [Signature]
Date: 11/3/94

NOV 14 1994

Berwind #1338

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1st	Big Lime	14 (3315' - 3388')			4000	150
2nd	Maxton	21 (2664' - 2674')		400	500	630
3rd	Ravencliff	21 (2006' - 2026')		400	500	465

W E L L L O G

FORMATION	TOP	BOTTOM	REMARKS: FRESH & SALT WATER, COAL, OIL & GAS
KB - GL	0	10	Hole Damp @409'
sand, shale, RR	10	1995	Coal 372' - 375'
Ravencliff	1995	2041	Coal 1240' - 1246'
sand, shale	2041	2100	Hole Damp @1240'
Avis Limestone	2100	2150	gas chk @ 1900' no show
sand, shale	2150	2218	gas chk @ 2114' no show
Upper Maxton	2218	2275	
sand, shale	2275	2589	
Middle Maxton	2589	2720	
sand, shale	2720	2931	gas chk @ 2767' 26/10 thru 1" w/water
Lower Maxton	2931	3060	
sand, shale	3060	3130	gas chk @ 3081' 4/10 thru 1" w/water
Little Lime	3130	3184	
sand, shale	3184	3195	
Pencil Cave	3195	3244	gas chk @ 3266' 4/10 thru 1" w/water
sand, shale	3244	3251	gas chk @ 3545' 2/10 thru 1" w/water
Big Lime	3251	3545	Driller TD
		3549	Logger TD

8L461

047-1172
Issued 6/22/92
Page ___ of ___
Expires 6/22/94

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

- 1) Well Operator: Meridian Exploration Corporation 31805' (3) 1664
- 2) Operator's Well Number: 1338 3) Elevation: 2279
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Ravencliff, Maxton, Big Lime
- 6) Proposed Total Depth: 3830' feet
- 7) Approximate fresh water strata depths: N/A
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: 380' and 1260'
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drill and stimulate new well
- 12)

RECEIVED
Office of Oil & Gas
Permitting
JUN 01 92

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11-3/4	LS	32	30	30	Driven
Fresh Water						
Coal						
Intermediate	7"	H-40	17	1310'	1310'	1310' (200)
Production	4-1/2"	J-55	10.5	3830'	3830'	2040' (210)
Tubing						
Liners						

13789

3830' 11.3
3830' 11.2

PACKERS : Kind _____
Sizes _____
Depths set _____

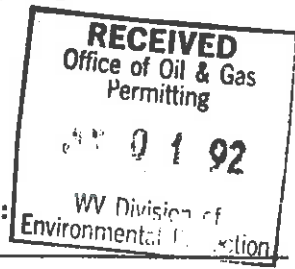
For Division of Oil and Gas Use Only

7333
Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond C. Blompet Agent
(Type)

- 1) Date: May 27, 1992
- 2) Operator's well number 1338
- 3) API Well No: 47 - 047 - 1172
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 Caples Resources Inc.
Address 1050 One Valley Square
Charleston, WV
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 6) Inspector Ofie Helmick
Address P.O. Box 218
Fanrock, WV 24834
Telephone (304)- _____

- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name Berwind Land Company
Address 1050 One Valley Square
Charleston, WV
Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name Shannon-Pocahontas Mining Co.
Address P.O. Box 443
Roderfield, WV 24881

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
 _____ 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)
- 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 Meridian Exploration Corporation
 By: Eric P. Linn
 Its: Vice President
 Address 707 Grant Street, Suite 2800
Pittsburgh, PA 15219
 Telephone 412-471-8181

Subscribed and sworn before me this 27th day of May, 1992

Notarial Seal
 Deborah A. Lavelle, Notary Public
 Pittsburgh, Allegheny County
 My Commission Expires Jan. 22, 1996
 Member, Pennsylvania Association of Notaries

Deborah A. Lavelle
 Notary Public

RECEIVED
W.V. Environmental

047-1235

FORM WW-2B JUL 13 94

Page ___ of _____

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
Office of Oil & Gas WELL WORK PERMIT APPLICATION

4742

Meridian Exploration Corporation 31805 (3) 665

19478

- 1) Well Operator: _____
- 2) Operator's Well Number: 1338 3) Elevation: 2,279'
- 4) Well type: (a) Oil ___ / or Gas XX /
(b) If Gas: Production XX / Underground Storage ___ /
Deep ___ / Shallow XX /
- 5) Proposed Target Formation(s): Big Line 345
- 6) Proposed Total Depth: 4,500' feet
- 7) Approximate fresh water strata depths: _____
- 8) Approximate salt water depths: _____
- 9) Approximate coal seam depths: 380', 1,260'
- 10) Does land contain coal seams tributary to active mine? Yes XX / No ___ /
- 11) Proposed Well Work: Drill & Stimulate new well
- 12) _____

Issued 07/26/94
Expired 07/26/96

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11-3/4	H-40	42	30	-----	-----
Fresh Water						
Coal						
Intermediate	7"	J-55	20	1,310'	1,310'	Surface
Production	4-1/2"	J-55	10.5	4,500'	4,500'	400 sks.
Tubing						
Liners						

380' SP 11 3
380' SP 11 2
380' SP 11 1

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-28 Bond _____ (Type) Agent

011947
25

- 1) Date: July 13, 1994
- 2) Operator's well number 1338
- 3) API Well No: 47 - 047 - 1235
State - County - Permit

(Formerly: 047-1172)

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
(a) Name Capels Resources Limited Liability Company
Address 1050 One Valley Square
Charleston, WV 25301
(b) Name _____
Address _____
(c) Name _____
Address _____
- 6) Inspector Ofie Helmick
Address P O Box 218
Fanrock, WV 24834
Telephone (304)- 732-9135

- 5) (a) Coal Operator:
Name Shannon-Pocahontas Mining Co.
Address P O Box 443
Roderfield, WV 24881
(b) Coal Owner(s) with Declaration
Name Berwind Land Co.
Address 1050 One Valley Square
Charleston, WV 25301
Name _____
Address _____
- (c) Coal Lessee with Declaration
Name _____
Address _____

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Well Operator Meridian Exploration Corporation
 By: Eric Linn
 Its: Vice President
 Address 707 Grant St., Suite 2800
Pittsburgh, PA 15219-1919
 Telephone _____

Subscribed and sworn before me this 20th day of July, 1994

My commission expires _____
Notary Public

