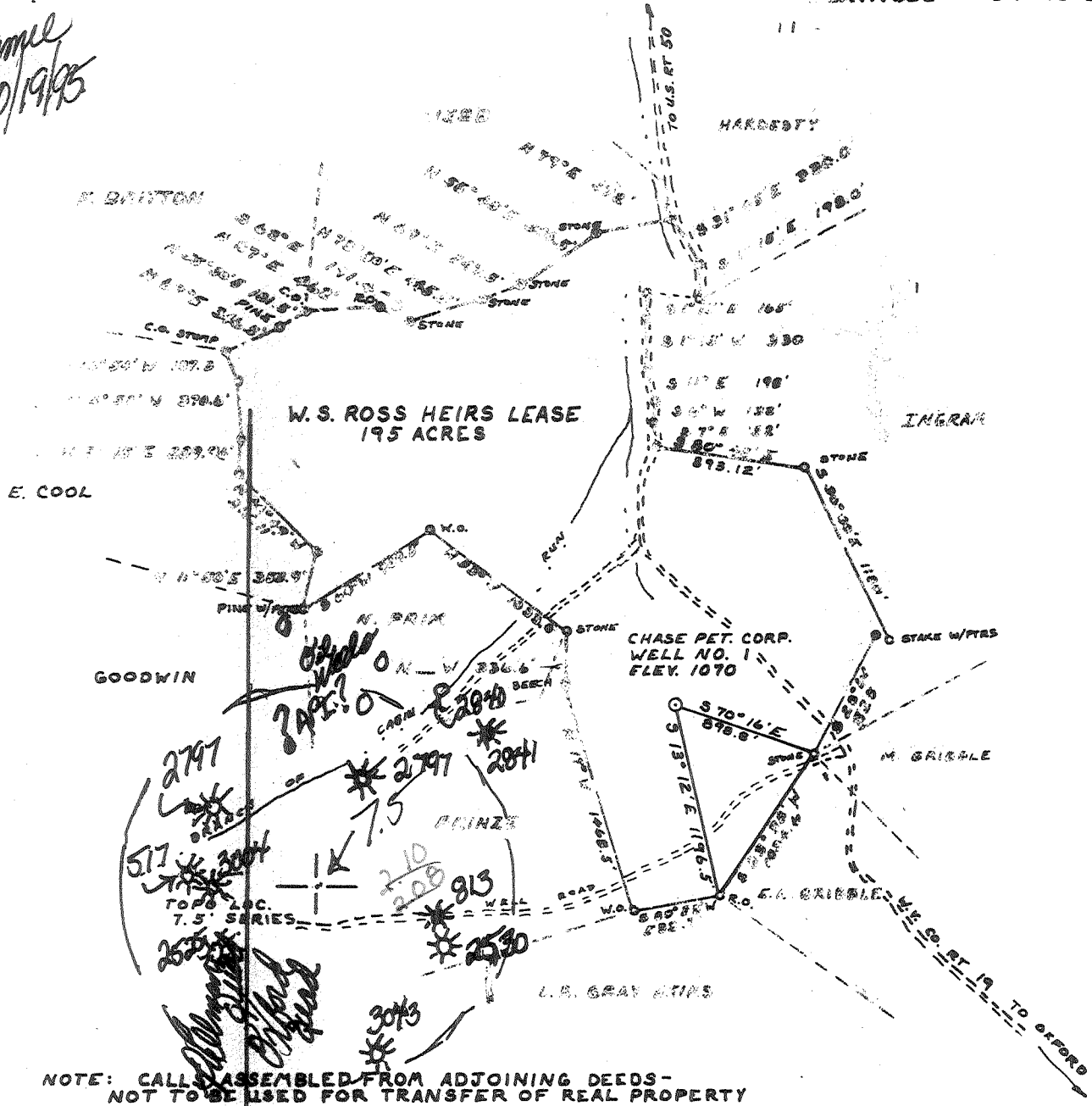


*Janice
10/19/95*

10,980'

LATITUDE 39° 15' 00"

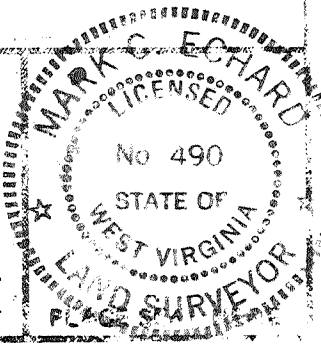
LONGITUDE 80° 50' 00"



NOTE: CALL ASSEMBLED FROM ADJOINING DEEDS - NOT TO BE USED FOR TRANSFER OF REAL PROPERTY

FILE NO.	
DRAWING NO.	
DATE	10/19/95
NAME AND ADDRESS OF SURVEYOR	MARK C. ECHARD
ADDRESS OF CLIENT	Meridian Exploration Corp.
PROJECT	157H

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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.
Mark C. Echard
 MARK C. ECHARD
 R.P.E. L.L.S. 490



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE JUNE 1995
 OPERATOR'S WELL NO. ONE 157H
 API WELL NO. 47-017-027957
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 GAS PRODUCTION STORAGE DEEP SHALLOW
 DEPTH OF WELL 1070 WATER SHED CABIN RUN
 DISTRICT CENTRAL COUNTY DODDRIDGE
 TOWNSHIP OXFORD 7.5
 SURFACE OWNER Ralph Cunningham Surface owner for lease
 LEASE ACRES 195
 PURPOSE: DRILL X CONVERT REPAIR REFRAC FRACTURE OR
 STIMULATE PLUG OFF REPERFORATE
Set Temporary Plug back Ballroom Speerling Comingle
3850 3450 Alex, Brian, Fibey

Meridian Exploration Corporation
 707 Grant Street, Suite 2800
 Pittsburgh, Pa. 15219

John O. Kizer (C.T. Corp.)
 1200 Charleston Nat'l Plaza
 Charleston, W.Va. 25301



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

MAR 01 1996

Permitting Well Operator's Report of Well Work

Office of Oil & Gas

Farm name: CUNNINGHAM, RALPH Operator Well No.: 1571

LOCATION: Elevation: 887.00 Quadrangle: OXFORD

District: CENTRAL County: DODDRIDGE
Latitude: 11060 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 10980 Feet West of 80 Deg. 50 Min. 0 Sec.

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

Agent: JOHN O. KIZER (C T CORP)

Inspector: MIKE UNDERWOOD
Permit Issued: 10/19/95
Well work Commenced: 11/3/95
Well work Completed: 12/13/95
Verbal Plugging
Permission granted on: _____
Rotary _____ Cable _____ Rig _____
Total Depth (feet) 5597
Fresh water depths (ft) 150'

Salt water depths (ft) M/A

Is coal being mined in area (Y/N)? N
Coal Depths (ft): M/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	34	0	-
8 5/8"	1860	1860	CTS
4 1/2"	5390	5390	3400'
2"		5200'	

OPEN FLOW DATA

Producing formation Balltown Pay zone depth (ft) 3845'-3865'
Gas: Initial open flow 700 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 700 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1000 psig (surface pressure) after 24 Hours

Second producing formation Speechley Pay zone depth (ft) 3440-3460
Gas: Initial open flow 700 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 700 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1000 psig (surface pressure) after 24 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: MERIDIAN EXPLORATION CORP.

By: John Guide
Date: 2/27/96

Balltown:

Perforation Interval: 3845' - 3865'
4 shots per foot
90° phasing

Fracture Treatment: 15,000 lbs 20/40
500 Gal 15% HCl
Cross Link Gel
No Nitrogen
Final pressure: 4,000 psi

peechley:

Perforation Interval: 3440' - 3460'
4 shots per foot
90° phasing

Fracture Treatment: 6,000 lbs 20/40
500 Gal 15% HCl
Cross Link Gel
No Nitrogen
Final pressure: 4,000 psi



RECEIVED

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division DEPT. OF MINES

WELL RECORD

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Oxford 7.5

Permit No. 47-017-2795

Company Chase Petroleum
Address PO Drawer 369, Glenville, WV 26351
Farm William Burgess Acres 195
Location (waters) Cabin Run
Well No. Burgess #1 Elev. 1070
District Central County Doddridge
The surface of tract is owned in fee by William Burgess
Address Oxford, WV
Mineral rights are owned by S. Byrl Ross, et al.
Address Parkersburg, WV 26101
Drilling Commenced August 15, 1980
Drilling Completed August 21, 1980
Initial open flow 40,000 cu. ft. 0 bbls.
Final production 625,000 cu. ft. per day 0 bbls.
Well open 10 hrs. before test 1560 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks)
Size 20-16			
Cond. 13-10" 11 3/4	36'	-0-	
9 5/8			
8 5/8 23#	1860	1860	CTS
7			
5 1/2			
4 1/2 10.5#	5390	5390	780 SKS
3			
2			
Lines Used			

Well treatment details:

Attach copy of cementing record.

Fraced Alexander: 5274-5304: 17 holes; 629 bbls. total fluid; 60,000 # 20/40
Fraced Benson: 4980-4986: 12 holes; 705 bbls. total fluid; 60,000 # 20/40
Fraced Riley: 4358-4592: 18 holes; 668 bbls. total fluid; 60,000 # 20/40
20,000 # 80/100

Coal was encountered at no coal Feet _____ Inches _____
Fresh water 150 Feet _____ Salt Water -- Feet _____
Producing Sand Alexander, Benson, Riley Depth 5274-5304, 4980-4986, 4358-4592

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Cond.			G.L.	50		
Sand & Shale			50	80		
Red Rock			80	84		
Sand & Shale			84	110		
Sand			110	156		
Shale & Red Rock			156	170		
Sand & Shale			170	181		
Sand			181	190		
Sand & Shale			190	198		
Sand			198	218		
Sand & Shale			218	230		
Shale & Red Rock			230	239		
Sand & Shale			239	246		
Sand			246	295		
Shale			295	305		
Sand & Shale			305	335		
Red Rock & Shale			335	365		
Sand & Shale			365	380		
Sand			380	390		
Sand & Shale			390	415		
Red Rock & Shale			415	436		
Sand & Shale			436	460		
Red Rock			460	484		

Description	Color	Hard or Soft	Top Foot	Bottom Foot	Oil, Gas or Water	Remarks
Sand			484	505		
Sand & Shale			505	535		
Sand			535	542		
Red Rock & Shale			542	574		
Sand & Shale			574	594		
Sand			594	601		
Sand & Shale			601	608		
Shale & Red Rock			608	675		
Sand & Shale			675	799		
Sand			799	811		
Red Rock & Shale			811	861		
Sand			861	866		
Shale & Red Rock			866	909		
Sand			909	912		
Shale & Red Rock			912	940		
Sand & Shale			940	1010		
Shale & Red Rock			1010	1042		
Sand			1042	1090		
Sand & Shale			1090	1125		
Shale & Red Rock			1125	1175		
Sand			1175	1185		
Shale			1185	1230		
Sand & Shale			1230	1265		
Sand			1265	1280		
Sand & Shale			1280	1291		
Shale & Red Rock			1291	1300		
Sand			1300	1322		
Sand & Shale			1322	1337		
Red Rock & Shale			1337	1342		
Sand			1342	1345		
Shale			1345	1368		
Sand & Shale			1368	1393		
Sand			1393	1415		
Sand & Shale			1415	1458		
Sand			1458	1475		
Sand & Shale			1475	1542		
Shale & Red Rock			1542	1571		
Sand			1571	1577		
Sand & Shale			1577	1589		
Sand			1589	1646		
Shale			1646	1670		
Shale & Sand			1670	1850		
Shale & Red Rock			1850	1917		
Sand			1917	1967		
Shale			1967	1995		
Sand			1995	2017		
Little Lime			2017	2030		
Sand & Shale			2030	2052		
Big Lime			2052	2145		
Sand			2145	2185		
Sand & Shale			2185	2362		
Sand			2362	2460		
Sand & Shale			2460	2700		
Sand			2700	2720		
Sand & Shale			2720	2753		
Shale			2753	2770		
Sand & Shale			2770	3780		
Shale			3780	3870		
Sand & Shale			3870	4224		
Sand			4224	4230		
Sand & Shale			4230	4977		
Benson			4977	4983		
Sand & Shale			4983	5290		
Sand	ALEX		5290	5350		
Sand & Shale			5350	5597		TD

Date October 14 19 80

APPROVED

Alton Sinner

Owner



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUL 21 1980

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE 7/21/80

Surface Owner William Burgess Company Chase Petroleum
 Address Oxford WV. Address Glenville, WV. 26351

Mineral Owner S. Byrl Ross et al Farm Burgess Acres 195
 Address 929 Market St. Parkersburg, WV. Location (waters) Cabin Run

Coal Owner No Coal Well No. Burgess # 1 Elevation 1070
 Address _____ District Central County Doddridge

Coal Operator None Quadrangle Oxford 7-1/2
 Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 3-24-81.

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS Clarksburg, WV. 26301
PHONE 623-3871

[Signature]
Deputy Director - Oil & Gas Division
GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated March 17, 1980 by S. Byrl Ross et al made to Alton Skinner and recorded on the 15th day of April 1980, in Doddridge County, Book 114 Page 442

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address N/A day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address of Well Operator

Very truly yours,
(Sign Name) [Signature] Well Operator
P.O. Drawer 369 Street
Glenville, City or Town
WV. 26351 State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit setting, the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

017
DOD-2795 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by [Signature]

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL DEEPEN X FRACTURE STIMULATE
 DRILLING CONTRACTOR (If Known) RESPONSIBLE AGENT
 NAME S.W. Jack Drilling Co. NAME Alton Skinner
 ADDRESS Buckhannon, WV. 26201 ADDRESS Glenville, WV. 26351
 TELEPHONE 472-9403 TELEPHONE 462-8916
 ESTIMATED DEPTH OF COMPLETED WELL: 5670 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Alexander
 TYPE OF WELL OIL _____ GAS X COAL _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	FEET IN WELL	CEMENT FEET OR SACKS (LBS)
20 - 16 11"	20'	-0-	
13 - 10			
9 - 5/8			
8 - 5/8 23#	1700	1700	CTS
7			
5 1/2			
4 1/2 10.5#	5550	5550	3600
			Per. Top
			Per. Bottom
Limits			Per. Top
			Per. Bottom

APPROXIMATE FRESH WATER DEPTHS 20 FEET SALT WATER 400 FEET
 APPROXIMATE COAL DEPTHS No Coal
 IS COAL BEING MINED IN THE AREA? No BY WHOM? N/A

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

 For Coal Company

 Official Title

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

Issued 10/19/95
Expires 10/19/97

- 1) Well Operator: ⁴⁷⁴² Meridian Exploration Corp. (31805) (1) 526
- 2) Operator's Well Number: 1571 3) Elevation: 1070'
- 4) Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production X / Underground Storage ___ /
Deep ___ / Shallow ___ /
- 5) Proposed Target Formation(s): ⁴³³ Balltown - 3850' Speechley - 3450'
- 6) Proposed Total Depth: 5597' feet
- 7) Approximate fresh water strata depths: 150'
- 8) Approximate salt water depths: None Encountered
- 9) Approximate coal seam depths: None Encountered
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 11) Proposed Well Work: Set temp plug @ 3950' Frac Balltown and Speechley. Remove plug
- 12)

CASING AND TUBING PROGRAM

Comingle with Alex Ben. Kelly - CEMENT

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4"			34'		
Fresh Water						
Coal	8 5/8"		23	1,860'	1,860'	Cmt to surface
Intermediate						
Production	4 1/2"		10.5	5,390'	5,390'	Est top of cmt @ 2060'
Tubing						
Liners						

PACKERS : Kind N/A
Sizes _____
Depths set _____

For Office of Oil and Gas Use Only

138/40

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

Plat WW-9 WW-2B Bond Blanket Agent

(Type)

1) Date: 9/13/95
2) Operator's well number
1571
3) API Well No: 47 - 017 - 2795 - W
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 Ralph Cunningham
Address Rt 1
West Union WV 26456
(b) Name _____
Address _____
(c) Name _____
Address _____
5) Inspector Mike Underwood
Address Rt 2 Box 135
Salem WV 26426
Telephone (304)- 782-1943

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name S. Byrl Ross
Address P.O. Box 16
Parkersburg WV 26102
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

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 Corp
By: John Guide
Its: Chief Engineer
Address 707 Grant St Suite 2800
Pittsburgh PA 15219-1919
Telephone 412-471-8181

Subscribed and sworn before me this 13 day of September, 1995

My commission expires December 26, 2000 Linda E Ruffe Notary Public

