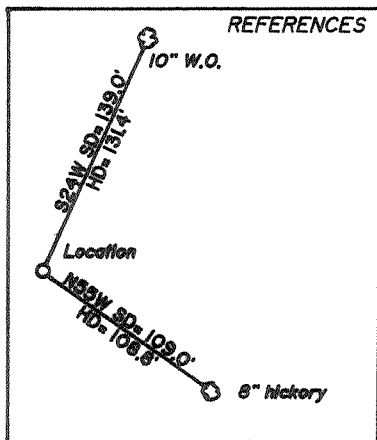
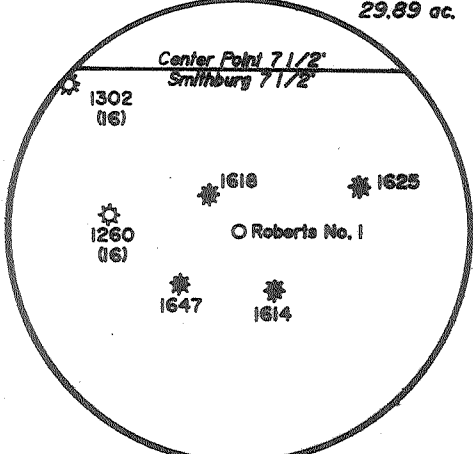
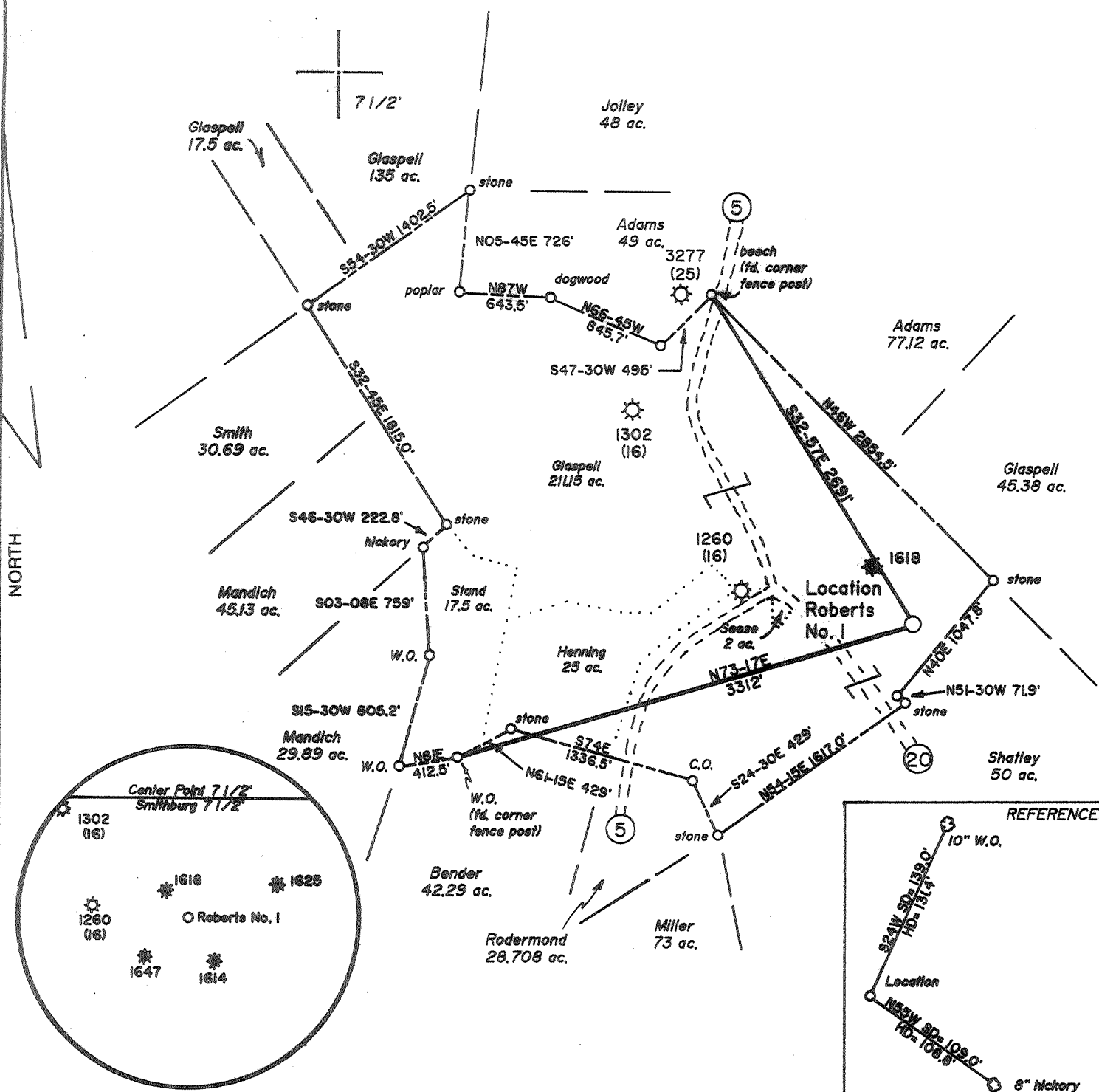


11,000

LATITUDE 39-22-30 N

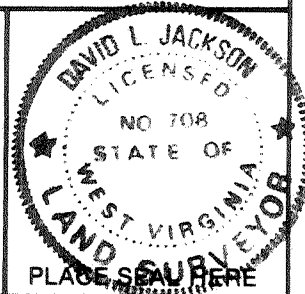
LONGITUDE 80-37-30 W



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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_ / \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Road Junction 1.050'  
NW of Location. Elev. 859'

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) David L. Jackson  
 R.P.E. \_\_\_\_\_ L.L.S. 708



STATE OF WEST VIRGINIA  
 Division of Environmental Protection  
 OFFICE OF OIL AND GAS

DATE November 11, 19 92  
 OPERATOR'S WELL NO. Roberts No. 1  
 API WELL NO. Cancelled  
47 - 011 - 4001  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1064 WATER SHED Riggins Run  
 DISTRICT McClellan COUNTY Doddridge  
 QUADRANGLE Smithburg 7 1/2'

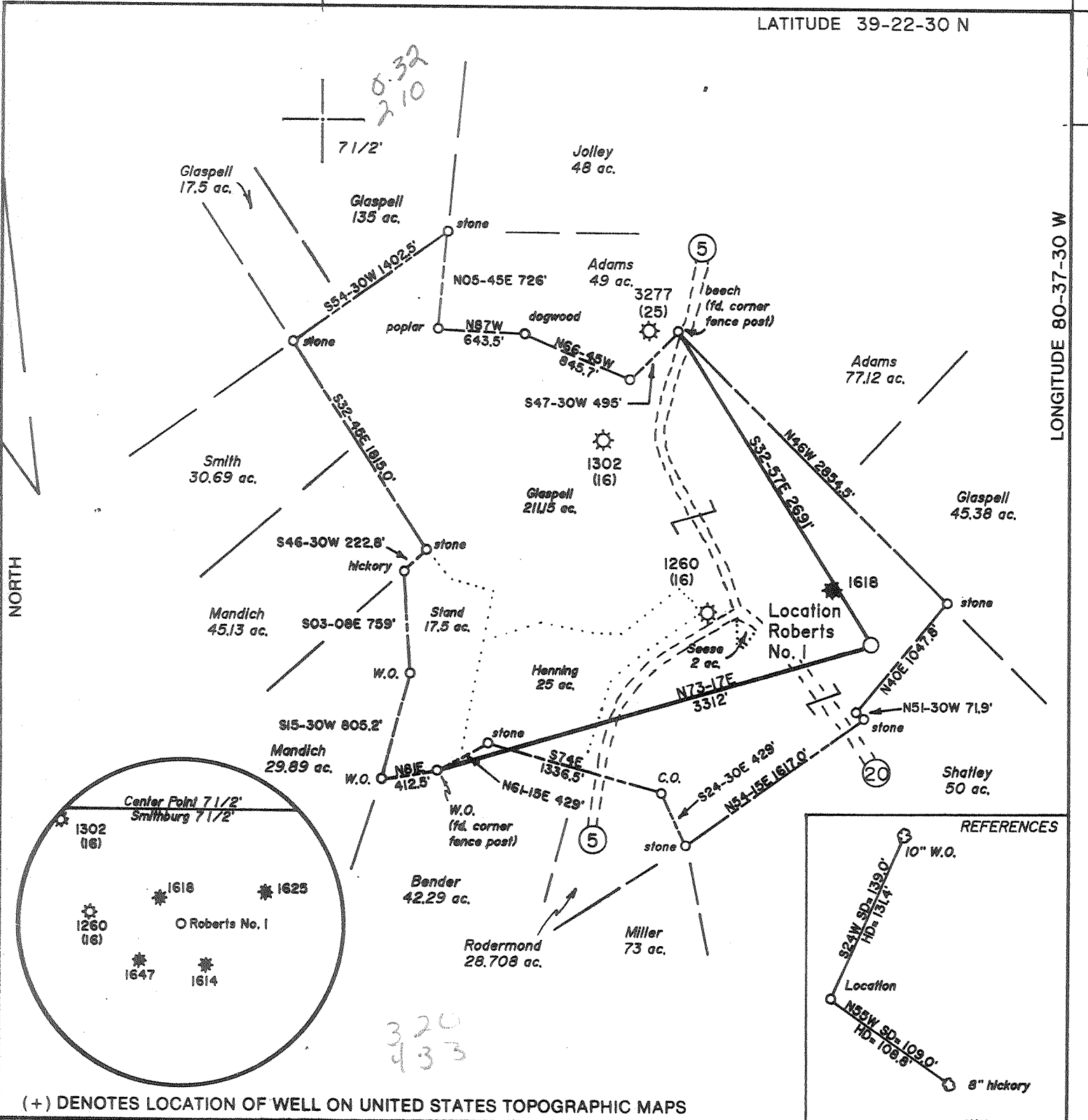
SURFACE OWNER Arby Glaspell ACREAGE 21115  
 OIL & GAS ROYALTY OWNER Royal Clyde Roberts Heirs et al LEASE ACREAGE 116 ac remainder of 256 ac  
 LEASE NO. 443200

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 Benson ESTIMATED DEPTH 5000  
 WELL OPERATOR Petroleum Development Corp. DESIGNATED AGENT Eric R. Stearns  
 ADDRESS P.O. Box 26, Bridgeport, WV 26330 ADDRESS P.O. Box 26, Bridgeport, WV 26330

FORM WW-6

COUNTY NAME  
0000  
PERMIT  
4001

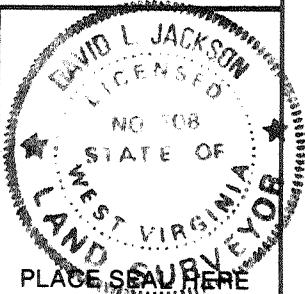


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Road Junction 1.050'  
NW of Location. Elev. 859'

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(SIGNED) David J. Jackson  
 R.P.E. \_\_\_\_\_ L.L.S. 708



STATE OF WEST VIRGINIA  
 Division of Environmental Protection  
 OFFICE OF OIL AND GAS



DATE November 11, 19 92  
 OPERATOR'S WELL NO. Roberts No. 1  
 API WELL NO. \_\_\_\_\_

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

LOCATION: ELEVATION 1064 WATER SHED Riggins Run  
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PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Benson ESTIMATED DEPTH 5000  
 WELL OPERATOR Petroleum Development Corp. DESIGNATED AGENT Eric R. Stearns  
 ADDRESS P.O. Box 26, Bridgeport, WV 26330 ADDRESS P.O. Box 26, Bridgeport, WV 26330

COUNTY NAME PERMIT

017-4001  
 Issued 11/30/92  
 Expires 11/30/94  
 Page \_\_\_ of \_\_\_

Env. Environmental Protection

NOV 1 92 NOV 1 3 92

FORM WW-2B

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

- 1) Well Operator: Petroleum Development Corporation 38200 151 610
- 2) Operator's Well Number: Roberts #1 3) Elevation: 1064'
- 4) Well type: (a) Oil \_\_\_ / or Gas XX /  
 (b) If Gas: Production XX / Underground Storage \_\_\_ /  
 Deep \_\_\_ / Shallow XX /
- 5) Proposed Target Formation(s): Benson 435
- 6) Proposed Total Depth: 5500' feet
- 7) Approximate fresh water strata depths: 100, 240, 320, 555, 1460, 1560, 1645'
- 8) Approximate salt water depths: None Reported
- 9) Approximate coal seam depths: None Reported
- 10) Does land contain coal seams tributary to active mine? Yes \_\_\_ / No XX /
- 11) Proposed Well Work: Drill & Stimulate New Well
- 12)

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#	30/150	---/150	---
Fresh Water						
Coal						
Intermediate	8 5/8	H-40	20/23#	1245/1735'	1245/1735'	Surface
Production	4 1/2	J-55	10.5#	5500'	5500'	400 SKS
Tubing						
Liners						

38 CSR/B/11.3  
 38 CSR/A/11.2/2  
 o.k M.I.I.

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)

062172  
 36

NOV 13 92  
Permitting  
Office of Oil & Gas

1) Date: November 12, 1992  
2) Operator's well number Roberts #1  
3) API Well No: 47 - 017 - 4001  
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 Arby Glaspell  
Address CP Star Rt.  
West Union, WV 26456
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:
- Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (b) Coal Owner(s) with Declaration  
Name No Delcaration on File  
Address \_\_\_\_\_
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Mike Underwood  
Address Route 2, Box 135  
Sale, WV 26426  
Telephone (304) - 782-1043

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

XX 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)
- XX 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 Petroleum Development Corporation  
By: ER Shams  
Its: Geologist  
Address P.O. Box 26  
Bridgeport, WV 26330  
Telephone (304) 842-6256

Subscribed and sworn before me this 12th day of November, 19 92

My commission expires January 10, 2000

Sharon J. Bernard Notary Public

