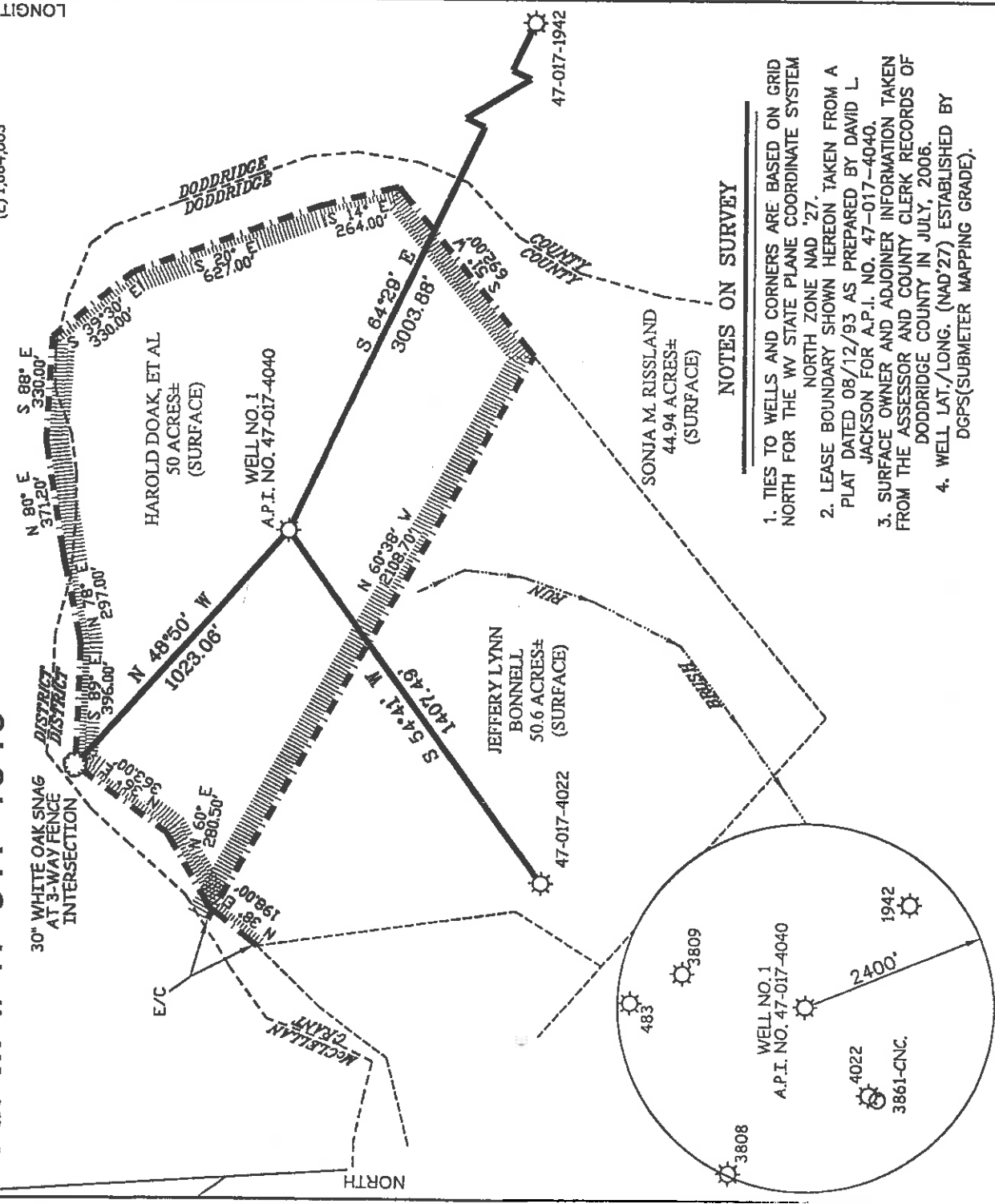


D. DOAK LEASE 50 ACRES± WELL NO. 1 A.P.I. #47-017-4040

LATITUDE 39°22'30"
LONGITUDE 80°40'00"
WELL NO. 1
A.P.I. NO. 47-017-4040
STATE PLANE
COORDINATES
(N) 320,338
(E) 1,664,003

LAT. 39° 22' 24.3"
LONGITUDE 80° 40' 00"



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. *Gregory A. Smith*
677



(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE JUNE 04, 20 07
OPERATORS WELL NO. D. DOAK #1
API WELL NO. 47-017-4040F PERMIT

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

MINIMUM DEGREE OF ACCURACY 1/200
FILE NO. 6460P1 (238-02)
SCALE 1" = 500'
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1,130' WATERSHED TRIBUTARY OF BRUSH RUN

DISTRICT GRANT HAROLD DOAK, ET AL
SURFACE OWNER HAROLD DOAK, ET AL
ROYALTY OWNER HAROLD DOAK, ET AL
PROPOSED WORK:
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER KEENER/GORDON
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION _____ ESTIMATED DEPTH 2250'-2950'

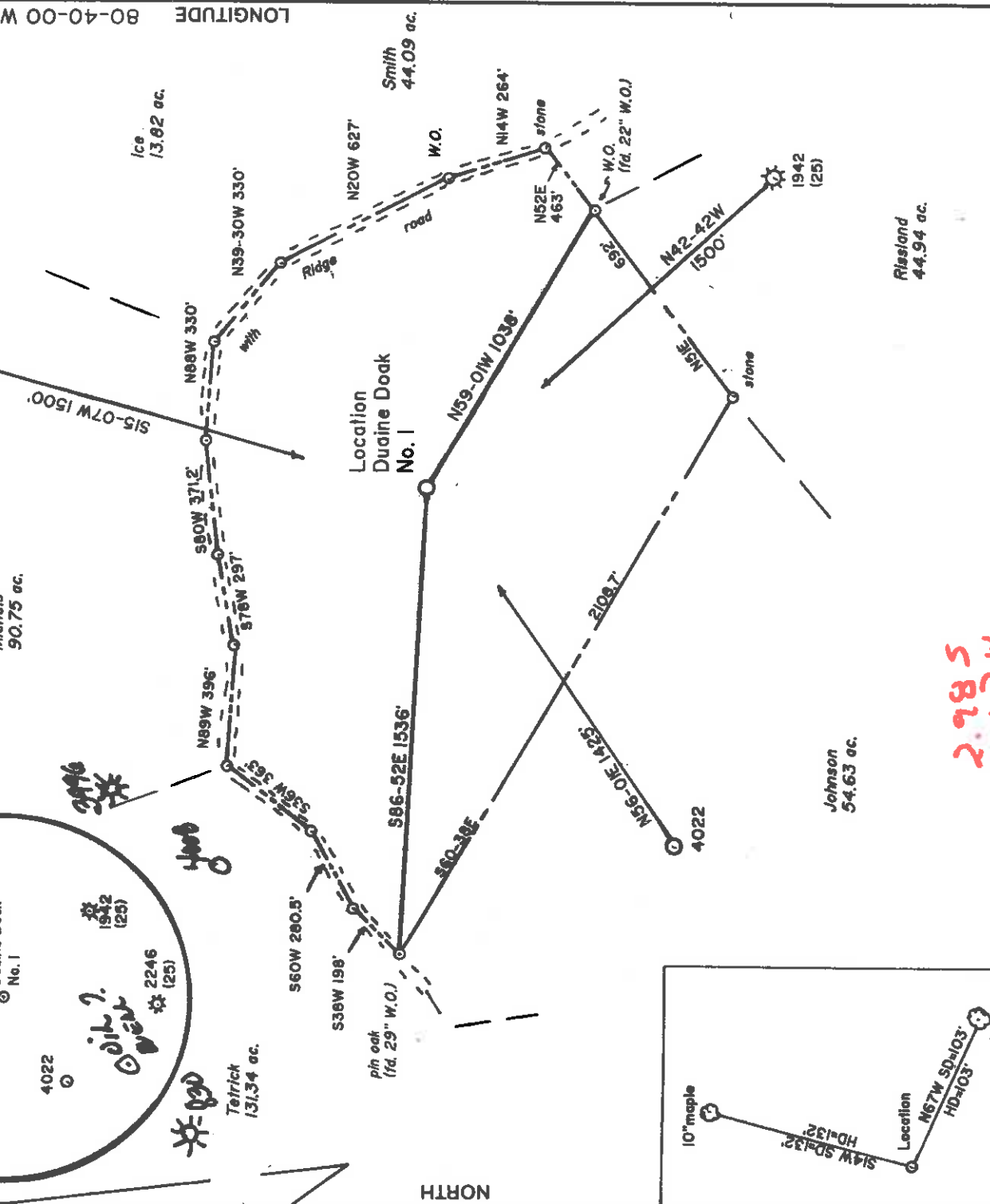
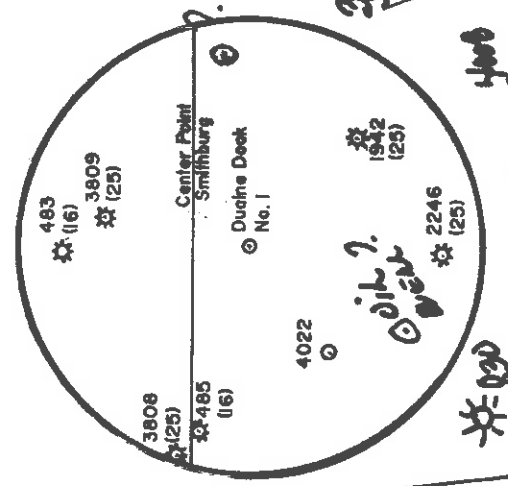
WELL OPERATOR PETROLEUM DEVELOPMENT CORPORATION DESIGNATED AGENT ALAN H. SMITH
ADDRESS 120 GENESIS BOULEVARD BRIDGEPORT, WV 26330
COUNTY NAME DODD PERMIT 4040 F

JUL 06 2007

LATITUDE 39-22-30 N
 LONGITUDE 80-40-00 W

David Jackson
 9/10/93

0.19
 1.19

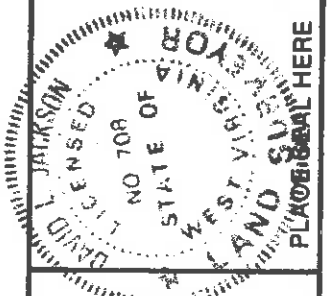


2.985
 1.17W

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

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Road junction 6000'
SE. 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 J. Jackson
 R.P.E. L.L.S. 708



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

DATE August 12 19 93
 OPERATOR'S WELL NO. Duaine Dook No. 1
 API WELL NO. _____

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

LOCATION: ELEVATION 1119' WATER SHED Brush Run
 DISTRICT Grant COUNTY Doddridge
 QUADRANGLE Smithburg 7 1/2' Centrop. Wc
 SURFACE OWNER Duaine Dook et al
 OIL & GAS ROYALTY OWNER Duaine Dook et al LEASE NO. 475300 LEASE ACREAGE 50

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 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

6-6 Smithson, Flint, Soda, Ia. (099)

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

Well Operator's Report of Well Work

Farm name: DOAK, DUANE ETAL. Operator Well No.: D. DOAK #1

LOCATION: Elevation: 1,119.00 Quadrangle: SMITHBURG

District: GRANT County: DODDRIDGE
Latitude: 550 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 6200 Feet West of 80 Deg. 40 Min. Sec.

Company: PETROLEUM DEVELOPMENT COR
P. O. BOX 26
BRIDGEPORT, WV 26330-0026

Agent: ERIC R. STEARNS

Inspector: MIKE UNDERWOOD
Permit Issued: 09/10/93
Well work Commenced: 09/23/93
Well work Completed: 09/30/93
Verbal Plugging
Permission granted on: Rig
Rotary Cable
Total Depth (feet) 5339'
Fresh water depths (ft)
Salt water depths (ft) 1695
n/a
Is coal being mined in area (Y/N)? N
Coal Depths (ft): 498-502

OPEN FLOW DATA

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	174'	174'	191 sks
8 5/8"	1782'	1782'	446 sks
4 1/2"	5295'	5295'	530 sks

Producing formation Benson

Gas: Initial open flow .84 MCF/d Oil: Pay zone depth (ft) 5187-5191
 Final open flow 208 MCF/d Initial open flow 0 Bbl/d
 Time of open flow between initial and final tests 4 Bbl/d
 Static rock Pressure 1500 psig (surface pressure) after 72 Hours

Second producing formation

Gas: Initial open flow MCF/d Oil: Pay zone depth (ft)
 Final open flow MCF/d Initial open flow Bbl/d
 Time of open flow between initial and final tests Bbl/d
 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: PETROLEUM DEVELOPMENT CORP.

Reviewed IMG By: Eric R. Stearns
Recorded _____ Date: October 27, 1993

NOV 13 1993

MAINE DOAK #1

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N ₂ (MCF)
ST	Benson	13(5187' - 5191')	50	400	500	60

W E L L L O G

TOP FEET BOTTOM FEET

FORMATION	TOP FEET	BOTTOM FEET	REMARKS:
CB - GL	0	10	1/2" water @ 75'
and, shale, RR	10	1870	1/2" water @ 1695'
taxton	1870	1929	Coal @498' - 502'
and, shale	1929	2074	gas chk @ 2010' No Show
Big Lime	2074	2182	
and, shale	2182	2192	
Big Injun	2192	2282	gas chk @2230' 2/10 thru 2"/water
and, shale	2282	2412	
Wier	2412	2479	
and, shale	2479	2616	gas chk @2574' 2/10 thru 2"/water
Berea	2616	2659	
and, shale	2659	2827	
Gordon	2827	2883	
and, shale	2883	3143	gas chk @2730' 2/10 thru 2"/water
5th	3143	3190	gas chk @2981' 2/10 thru 2"/water
and, shale	3190	3500	gas chk @3326' 2/10 thru 2"/water
Warren	3500	3566	gas chk @3608' 2/10 thru 2"/water
and, shale	3566	3650	
Speechley	3650	4040	gas chk @5025' 2/10 thru 2"/water
and, shale	4040	4080	gas chk @5152' 2/10 thru 2"/water
Balltown	4080	4380	
and, shale	4380	4434	gas chk @5245' 4/10 thru 2"/water
Bradford	4434	4550	
and, shale	4550	4914	
Riley	4914	5027	
and, shale	5027	5186	gas chk @collars 4/10 thru 2"/water
Benson	5186	5242	Drillers TD
and, shale	5242	5339	Logger TD
	5339	5333	

DF - 424

DP - 435

ES&L/

0177-4040
Issued 09/10/93
Page 6 of 6
CYPRES 09/10/95

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

Well Operator: Petroleum Development Corporation 38200 612
Operator's Well Number: Duaine Doak #1 3) Elevation: 1245

Well type: (a) Oil or Gas
(b) If Gas: Production Deep Underground Storage Shallow

- 5) Proposed Target Formation(s): Benson Sand 435
- 6) Proposed Total Depth: 5400 feet
- 7) Approximate fresh water strata depths: 25', 100', 130', 265', 495'
- 8) Approximate salt water depths: 1275', 1360', 1465', 1715'
- 9) Approximate coal seam depths: 140, 310', 615', 865'

- 10) Does land contain coal seams tributary to active mine? Yes No
- 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	
Conductor	11 3/4"	H-40	42#	30'/150'	--/150'	surface
Fresh Water						
Coal						
Intermediate	8 5/8"	H-40	20#/23#	950'/1750'	950'/1750'	Surface
Production	4 1/2"	J-55	10.5#	5400'	5400'	450 sks
Tubing						
Liners						

PACKERS : Kind _____
 Sizes 5 9/16
 Depths set 16
 Fee(s) paid: 100 Well Work Permit 100 Reclamation Fund 100 WPCP
 Plat: 1 WW-9 1 Bond C.D. Dampert Agent
 (Type)

RECEIVED
Department of Environmental Protection

MAR 25 93

1) Date: August 16, 1993
2) Operator's well number Duaine Doak #1
3) API Well No: 47 - 017 - 4040
State - County - Permit

Permitting 1
Office of Oil & ~~STATE~~ 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 Duaine Doak
Address Rt. 2, Box 285-A
West Union, WV 26456

5) (a) Coal Operator:
Name _____
Address _____

(b) Name Harold Doak
Address 163 Meadowlark Drive
Williamstown, WV 26187

(b) Coal Owner(s) with Declaration
Name No Declaration
Address _____

(c) Name SEE ATTACHED
Address _____

Name _____
Address _____

6) Inspector Mike Underwood
Address Rt. 2, Box 135
Salem, WV 26426

(c) Coal Lessee with Declaration
Name _____
Address _____

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)
X 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.

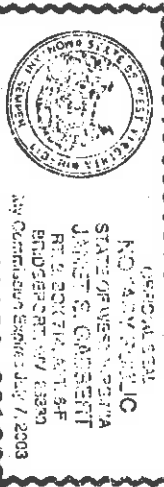
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator _____
BY: _____
Geologist _____

Its: _____
Address _____ P O Box 26
Bridgeport, WV 26330

Telephone _____ 304-842-6256

Subscribed and sworn before me this 17th day of August, 1993



Notary Public

My Commission expires July 7th, 2003

RECEIVED
Environmental Protection

AUG 25 93

Permitting
Office of Oil & Gas

August 16, 1993

017-4040

Duaine Doak #1, Doddridge Co., WV

Surface Owners (to be served)

Kathleen E. Davis
204 Grand Ave.
West Union, WV 26456

Violet Doak
Star Rt. 1, Box 82
West Union, WV 26456

Chester Doak
106 Louise Ave.
West Union, WV 26456

Ronnie Doak
1202 Horsepen Road
Gilbert, WV 25621

WR-35
Rev (5-04)

APR 17 2008
ENVIRONMENTAL PROTECTION
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

DATE: 03/20/08
API #: 47-017-04040 - F

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Doak, Harold, et al Operator Well No.: D, Doak I
LOCATION: Elevation: 1119.00 Quadrangle: Smithburg
District: Grant County: Doddridge
Latitude: 550 Feet South of 39 Deg. 22 Min. 30 Sec.
Longitude: 6200 Feet West of 80 Deg. 40 Min. Sec.

Company: Petroleum Development Corporation

Address: 120 Genesis Boulevard
Bridgeport, WV 26330
Agent: Alan H. Smith
Inspector: Mike Underwood
Date Permit Issued: 07/03/2007
Date Well Work Commenced: 7/26/2007
Date Well Work Completed: 8/17/2007
Verbal Plugging:
Date Permission granted on:
Rotary X Cable Rig
Total Depth (feet): 5339'
Fresh Water Depth (ft.): 75; 1695
Salt Water Depth (ft.): N/A
Is coal being mined in area (N/Y)? N
Coal Depths (ft.): 498-502

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	174'	174'	91 sks
8 5/8"	1782'	1782'	446 sks
4 1/2"	5295'	5295'	530 sks

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 5187-5191
Gas: Initial open flow 84 MCF/d Oil: Initial open flow Bbl/d
Final open flow 208 MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests Hours
Static rock Pressure 1500 psig (surface pressure) after 72 Hours
Second producing formation Gordon Pay zone depth (ft) 2858'-2881'
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d
Final open flow 20 MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests Hours
Static rock Pressure 105 psig (surface pressure) after 72 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.

Signed: 
By: Alan H. Smith
Date: 03/20/2008

MAY 02 2008

0000 4040 F

DUALINE DOAK #1

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N ₂ (MCF)
1ST	Benson	13(5187'-5191')	50	400	500	60

W E L L L O G

FORMATION	TOP FEET	BOTTOM FEET	REMARKS: FRESH & SALT WATER, COAL, OIL & GAS
KB - Gl	0	10	
sand, shale, RR	1870	1870	1/2" water @ 75'
Maxton	1929	1929	1/2" water @ 1695'
sand, shale	2074	2074	Coal @498'-502'
Big Lime	2074	2182	gas chk @ 2010' No Show
sand, shale	2192	2282	gas chk @2230' 2/10 thru 2"/water
Big Injun	2192	2192	
sand, shale	2282	2412	
Weir	2412	2479	
sand, shale	2479	2616	
Berea	2616	2659	gas chk @2574' 2/10 thru 2"/water
sand, shale	2659	2827	
Gordon	2827	2883	
sand, shale	2883	3143	gas chk @2730' 2/10 thru 2"/water
5th	3143	3190	gas chk @2981' 2/10 thru 2"/water
sand, shale	3190	3500	gas chk @3326' 2/10 thru 2"/water
Warren	3500	3566	gas chk @3608' 2/10 thru 2"/water
sand, shale	3566	3650	
Speechley	3650	4040	gas chk @5025' 2/10 thru 2"/water
sand, shale	4040	4080	gas chk @5152' 2/10 thru 2"/water
Balltown	4080	4380	
sand, shale	4380	4434	gas chk @5345' 4/10 thru 2"/water
Bradford	4434	4550	
sand, shale	4550	4914	
Riley	4914	5027	
sand, shale	5027	5186	gas chk @collars 4/10 thru 2"/water
Benson	5186	5242	Drillers TD
sand, shale	5242	5339	Logger TD
	5339	5333	

8005 8 0 YAM