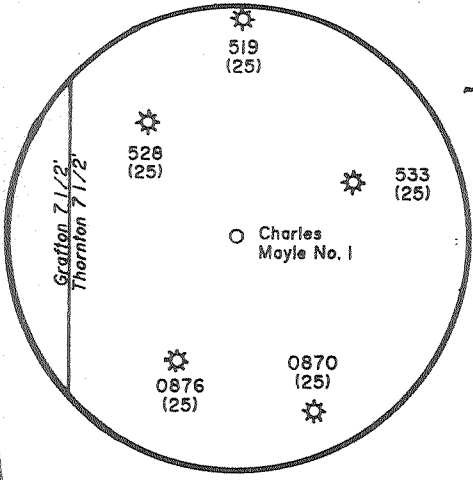
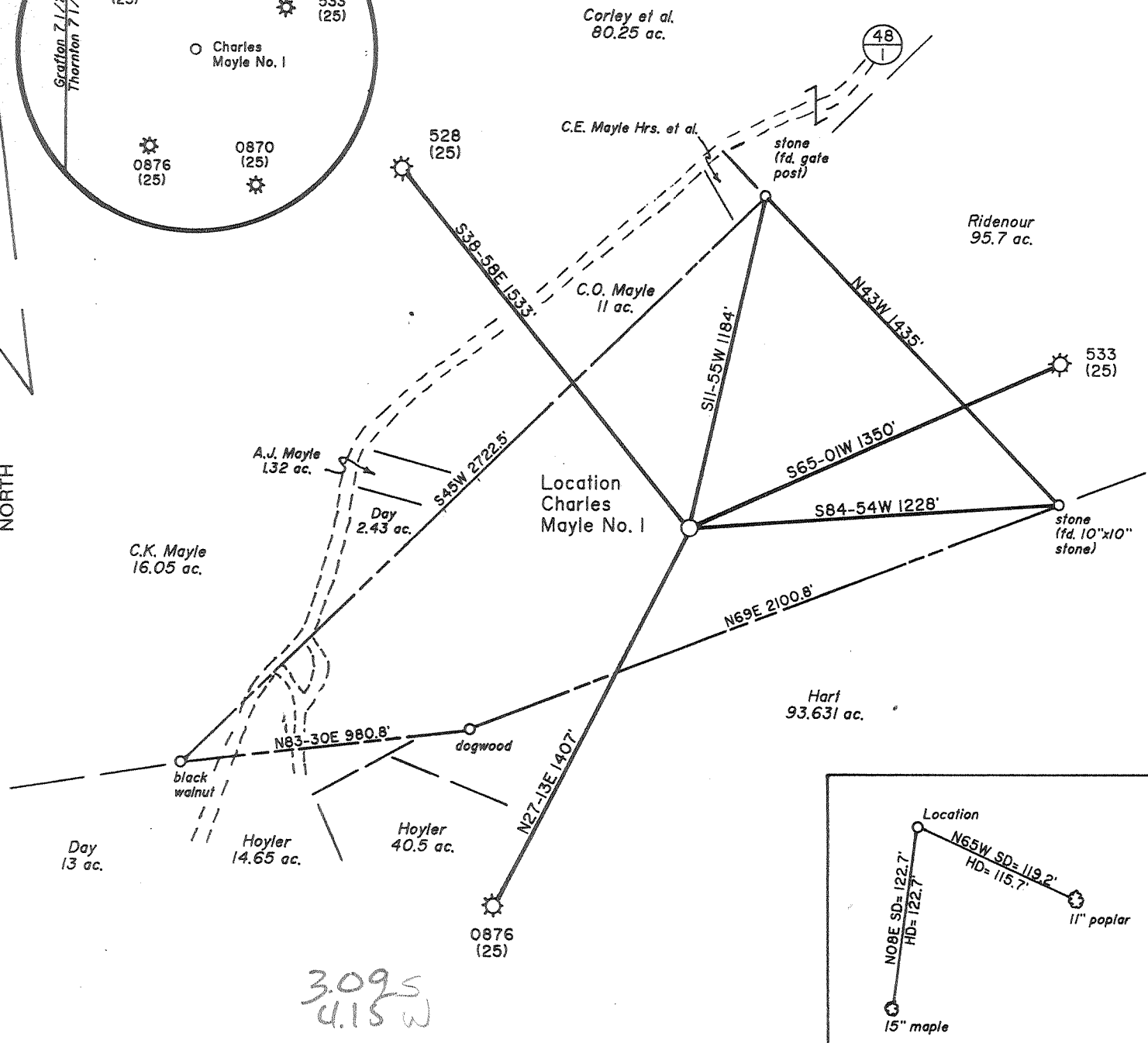


LATITUDE 39-17-30 N

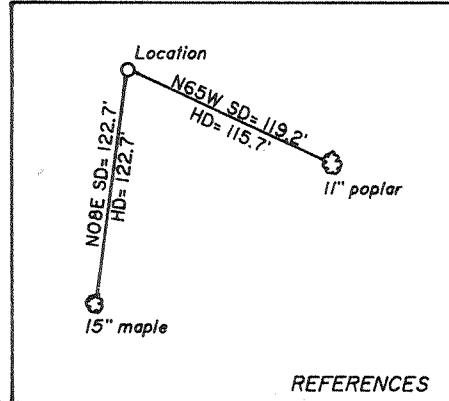
LONGITUDE 79-57-30 W



0.215
1.92w
7 1/2'



3.095
4.15w

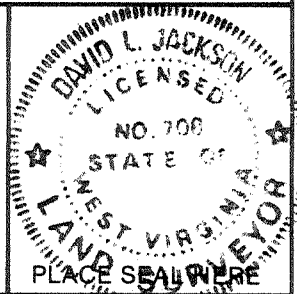


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

REFERENCES

FILE NO. _____
 DRAWING NO. _____ / _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION BM 4.100' SE of Location: elev. 1515'

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 July 13, 19 93
 OPERATOR'S WELL NO. Charles Mayle No. 1
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1443 WATERSHED Flag Run
 DISTRICT Knottsville COUNTY Taylor
 QUADRANGLE Thornton 7 1/2' N15 SW
 SURFACE OWNER Charles E. Mayle Heirs ACREAGE 49.38
 OIL & GAS ROYALTY OWNER Charles E. Mayle Heirs LEASE ACREAGE 54
 LEASE NO. 474000

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. 687 DESIGNATED AGENT Eric R. Stearns
 ADDRESS P.O. Box 26, Bridgeport, WV 26330 ADDRESS P.O. Box 26, Bridgeport, WV 26330

COUNTY NAME PERMIT

FORM WW-6

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

RECEIVED
 Office of Oil & Gas
 OCT 05 93
 James W. DAWSON, Jr.
 Professional Engineer

Well Operator's Report of Well Work
 Farm Name: CHARLES E. HEIRS Operator Well No.: C. MAYLE #1

LOCATION: Elevation: 1,443.00 Quadrangle: THORNTON
 District: KNOTTSTVILLE County: TAYLOR
 Latitude: 1125 Feet South of 39 Deg. 17Min. 30 Sec.
 Longitude 10050 Feet West of 79 Deg. 57 Min. 30 Sec.

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

Agent: ERIC R. STEARNS

Inspector: PHILLIP TRACY
 Permit issued: 08/06/93
 Well work Commenced: 09/11/93
 Well work Completed: 09/16/93
 Verbal Plugging
 Permission granted on: _____
 Rotary x Cable Rig
 Total Depth (feet) 5211'
 Fresh water depths (ft) _____
52; 537

Salt water depths (ft) _____
 n/a
 Is coal being mined in area (Y/N)? N
 Coal Depths (ft): 85-89; 232-237

OPEN FLOW DATA

Producing formation 3rd Elk Pay zone depth (ft) 5107.5-5111
 Gas: Initial open flow ns MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 444 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 4 Hours
 Static rock Pressure 1200 psig (surface pressure) after 72 Hours
 Second producing formation Benson Pay zone depth (ft) 4312-4314
 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 Riley Pay zone depth (ft) 4073-4076

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.

ER Stearns

For: PETROLEUM DEVELOPMENT CORP.

By: Eric R. Stearns
 Date: September 30, 1993

Reviewed _____
 Recorded _____
 OCT 29 1993

Charles Mayle #1

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1st	Third Elk	13 @(5107' - 5110')	50	400	500	53
2nd	Benson	9 @(4312' - 4314')	50	297	500	46
3rd	Riley	13 @(4073' - 4076')	50	500	500	59

W E L L L O G

REMARKS: FRESH & SALT WATER, COAL, OIL & GAS

TOP FEET BOTTOM FEET

FORMATION	TOP FEET	BOTTOM FEET	REMARKS
KB - GL	0	10	
ssand, shale, RR	10	1294	
Little Lime	1294	1308	3/4" stream H2O @ 52'
ssand, shale	1308	1337	3/4" stream H2O @ 237'
Big Lime	1337	1447	Coal 85'-89', 232' - 237'
ssand, shale	1447	1450	
Big Injun	1450	1532	gas chk @ 1455' no show
ssand, shale	1532	1613	
Weir	1613	1650	gas chk @ 1611' no show
ssand, shale	1650	1771	
Gantz	1771	1806	
ssand, shale	1806	1838	gas chk @ 1799' no show
60 ft	1838	1898	gas chk @ 1862' no show
ssand, shale	1898	1907	
80 ft	1907	1957	
ssand, shale	1957	2194	
th	2194	2361	gas chk @ 2046' no show
ssand, shale	2361	2392	
th	2392	2438	gas chk @ 2202' no show
ssand, shale	2438	2442	
ayard	2442	2448	
ssand, shale	2448	2525	
Elizabeth	2525	2562	
ssand, shale	2562	2746	
peechly	2746	3170	gas chk @ 2326' no show
ssand, shale	3170	3228	
alltown	3228	3563	gas chk @ 2515' no show
ssand, shale	3563	2598	
radford	2598	3704	gas chk @ 3015' no show
ssand, shale	3704	3982	gas chk @ 3391' no show
iley	3982	4232	gas chk @ 3889' no show
ssand, shale	4232	4291	gas chk @ 4160' no show
enson	4291	4362	gas chk @ 4077' no show
ssand, shale	4362	4516	gas chk @ 4786' no show
st Elk	4516	4800	gas chk @ 4265' no show
ssand, shale	4800	4845	gas chk @ 4358' 2/10 thru 1" w/water
ssand, shale	4845	5044	gas chk @ 5014' no show
ssand, shale	5044	5083	gas chk @ 5148' no show
rd Elk	5083	5275	Drillers TD
	5275	5271	Logger TD

DF 436
DFD

h6961

091-885

FORM WW-2B

JUL 22 1993

Issued 8/6/93 Page ~~1~~ of ~~1~~
 expires 8/6/95

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

Well Operator: RDC 687 38200 (6) 638
 Operator's Well Number: CHARLES MAYLE #1 3) Elevation: 1443
 Well type: (a) Oil / or Gas XX
 (b) If Gas: Production XX / Underground Storage /
 Deep / Shallow XX
 Proposed Target Formation(s): ELK SANDS 436

- 6) Proposed Total Depth: 5500 feet
 7) Approximate fresh water strata depths: 210', 600', 900'
 8) Approximate salt water depths: NONE REPORTED.
 9) Approximate coal seam depths: 415', 525', 815'
 10) Does land contain coal seams tributary to active mine? Yes / No XX
 11) Proposed Well Work: Drill & Stimulate New Well.

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	1 1/4"	H-40	42#	30'	—	—
Fresh Water						
Coal				1000'	1000'	38CS18115
Intermediate	8 5/8"	H-40	20/23#	925'	925'	38CS18112
Production	4 1/2"	J-55	10.5#	5500'	5500'	450 SRS.
Tubing						38CS18111
Liners						

PACKERS : Kind 8" e + 457'
 Sizes
 Depths set

00 50 14
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 Bond Agent 8/6

Date: July 14, 1993

Operator's well number
Charles Mayle #1

API Well No: 47 - 091 - 0885
State - County - Permit

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 Charles E. Mayle Heirs
Address SEE ATTACHED LIST

(b) Name _____
Address _____
(c) Name _____
Address _____

(b) Coal Owner(s) with Declaration
Name Hillman Coal Company
Address 724 James Street
Bridgeport, WV 26330
Name _____
Address _____

6) Inspector Phillip Tracy
Address Rt. 2, Box 37-A
Montrose, WV 23283
Telephone (304) - 636-9809

(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 xxxxx 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:

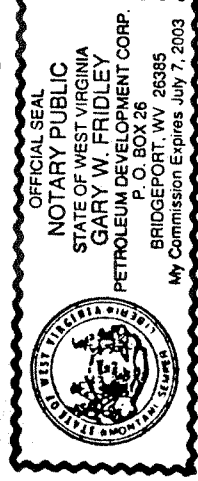
- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

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 Gary W. Fridley PETROLEUM DEVELOPMENT CORPORATION

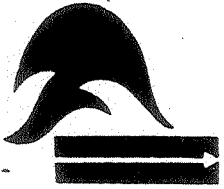


BY: _____
Geologist
P O Box 26
Bridgeport, WV 26330

Telephone 304-842-6256

Subscribed and sworn before me this 16 day of July, 1993

Gary W. Fridley Notary Public
My commission expires July 7, 2003



**Petroleum
Development
Corporation**

103 East Main Street
P. O. Box 26
Bridgeport, West Virginia 26330

Phone: (304) 842-3597

091-0885

Charles E. Mayle Heirs

Curtis E. and Janet K. Mayle
Rt. 1, Box 111A
Tunnelton, WV 26444

David G. & Betty F. Phillips
16803 N. 20th St.
Phoenix, AZ 85022

Nancy & Robert O'Neal
4029 N 84th Lane
Phoenix, AZ 85037

Stelsa M. Fash
16803 N. 20th Street
Phoenix, AZ 85022

Tamara J. & Richard Barrick
4525 N Hansa Drive
Tuscon, AZ 85705

Juanita A. Mayle
Rt 1, box 462-D
Grafton, Wv 26354

Virgie & James Dorinzi
1612 Mileground
Morgantown, Wv 26505

John & Lois Smythe
84980 Beaver Bay Rd
Scio, OH 43988

Charles & Debra Fash
1495 W. Mohawk Lane
Phoenix, AZ 85037

Bernard W. Mayle
Rt. 1, Box 389
Grafton, WV 26354

Clara & Elwood Rine
Rt. 1
Mingo Junction, OH 43938

Charles D. Mayle
P O Box 761
Grafton, WV 26354