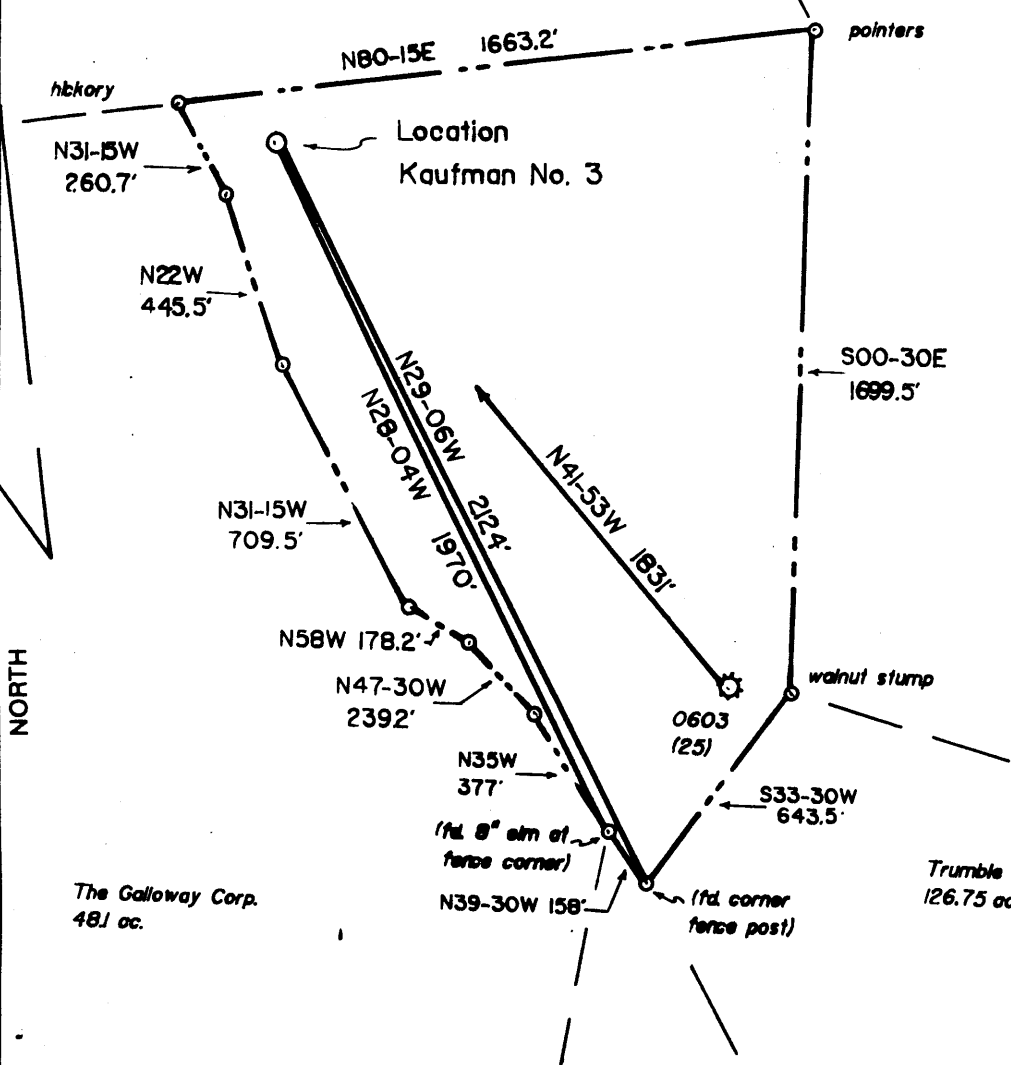


Kaufman
120 Ac.

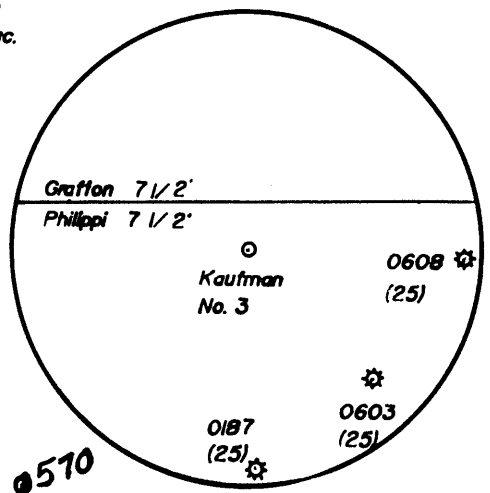
Jamie 10/13/89
8/18/92

LATITUDE 39-15-00 N
7 1/2'

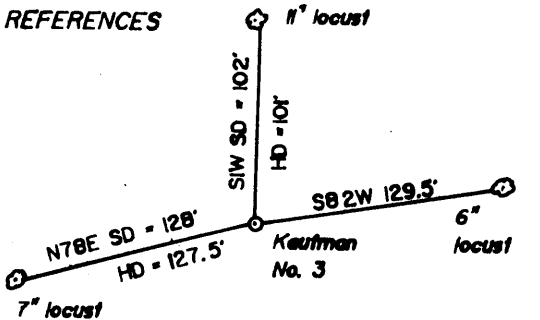
LONGITUDE 80-05-00 W



Kaufman
57.5 ac.



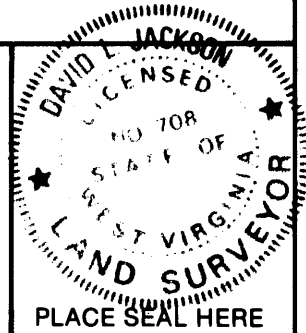
REFERENCES



(+) 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 Well No. 0603; 183'
SE of Location: elev. 133'

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. _____ LV.S. 708



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE September 26, 19 89
 OPERATOR'S WELL NO. Kaufman No. 3
 API WELL NO.

47-091-0613-P
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1440 WATERSHED Flag Run of Right Fork Simpson Creek
 DISTRICT Court House COUNTY Taylor
 QUADRANGLE Philippi 7 1/2'
 SURFACE OWNER Martin Kaufman ACREAGE 50.75
 OIL & GAS ROYALTY OWNER Martin Kaufman LEASE ACREAGE 50.75
 LEASE NO. 415200

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 Steven Williams
 ADDRESS P.O. Box 26, Bridgeport, WV 26330 ADDRESS P.O. Box 26, Bridgeport, WV 26330

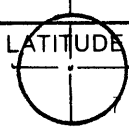
AUG 21 1992

TAY
COUNTY NAME
PERMIT 0613

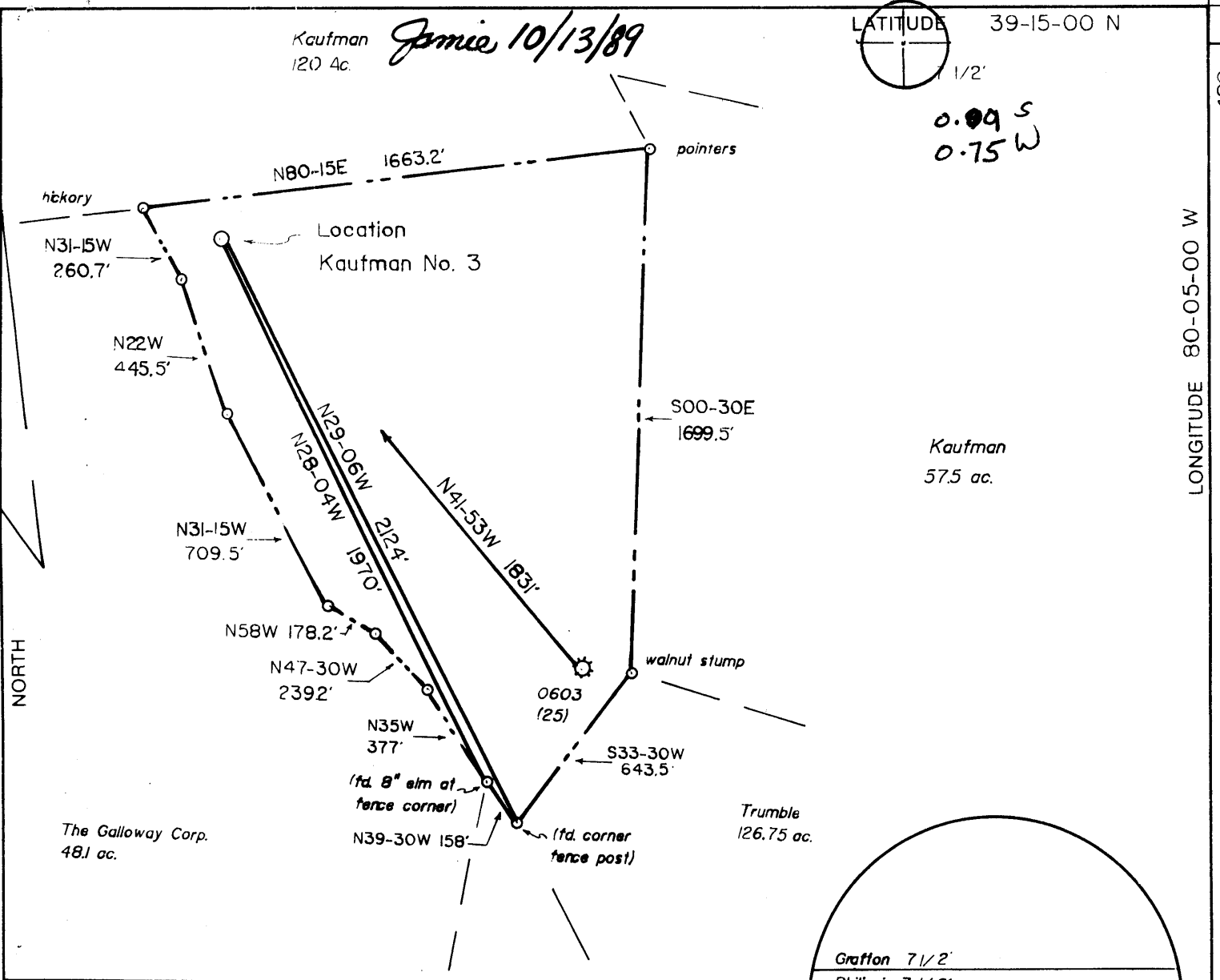
3980

LATITUDE 39-15-00 N

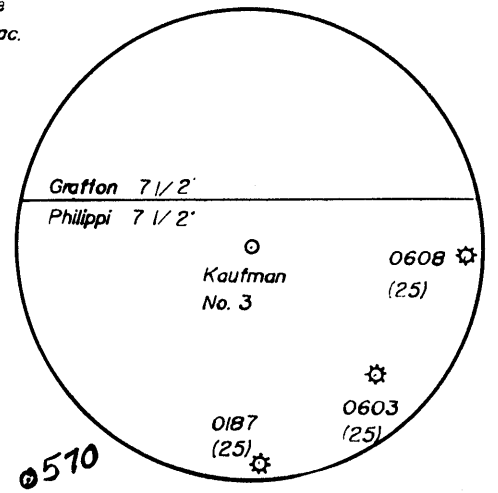
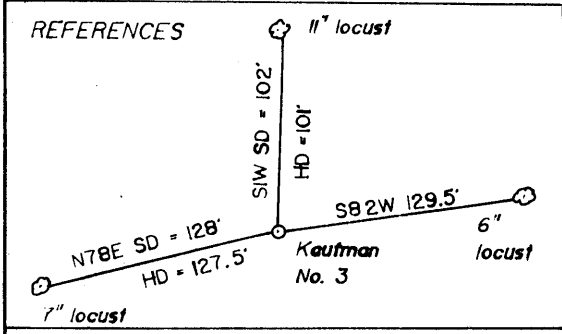
Kaufman 120 Ac. *Jamie 10/13/89*



*0.09 S
0.75 W*



LONGITUDE 80-05-00 W



(+) 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 Well No. 0603: 1831'
SE of Location: elev. 1331'

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.V.S. 708



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE September 26, 19 89
OPERATOR'S WELL NO. Kaufman No. 3
API WELL NO. _____

47-091-0613

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
LOCATION: ELEVATION 1440 WATERSHED Flag Run of Right Fork Simpson Creek
DISTRICT Court House 2 COUNTY Taylor
QUADRANGLE Philippi 7 1/2' + 15' ne
SURFACE OWNER Martin Kaufman ACREAGE 50.75
OIL & GAS ROYALTY OWNER Martin Kaufman LEASE ACREAGE 50.75
LEASE NO. 415200

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 Steven Williams
ADDRESS P.O. Box 26, Bridgeport, WV 26330 ADDRESS P.O. Box 26, Bridgeport, WV 26330
687

FORM WW-6

COUNTY NAME PERMIT

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: KAUFMAN, MARTIN Operator Well No.: KAUFMAN #3

LOCATION: Elevation: 1440.00 Quadrangle: PHILIPPI

District: COURT HOUSE County: TAYLOR
Latitude: 480 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 3980 Feet West of 80 Deg. 5 Min. 0 Sec.

Company: PETROLEUM DEVELOPMENT COR
P. O. BOX 26
BRIDGEPORT, WV 26330-0000

Agent: STEVEN R. WILLIAMS

Inspector: DONALD ELLIS
Permit Issued: 10/23/89
Well work Commenced: 01/22/90
Well work Completed: 01/26/90
Verbal Plugging
Permission granted on:
Rotary x Cable _____ Rig
Total Depth (feet) 4696'
Fresh water depths (ft) 85'

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? n
Coal Depths (ft): 170-173

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	42'		
8 5/8"	1148'	1148'	265 sks
4 1/2"	4660'	4660'	382 sks

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4570-4572
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 184 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1150 psig (surface pressure) after 72 Hours

Second producing formation Riley Pay zone depth (ft) 4289-4292
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 Balltown/Speechley Pay zone depth (ft) 2911-3475

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.

By: Eric R. Stearns
Date: March 7, 1990

MAR 19 1990

Kaufman #3

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1ST	Benson	8 (4570-4572)	100	400	500	66
2nd	Riley	8 (4289-4292)	0	0	1000	0
3rd	Balltown, Speechley	3 (3474-3475) 3 (3286-3287) 3 (2911-2913)	100	650	750	82.6

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	10	1623	Damp 85'
Little Lime	1623	1655	Coal 170-173;
sand, shale	1655	1672	
Big Lime	1672	1756	
Big Injun	1756	1869	
sand, shale	1869	1883	
Squaw	1883	1905	
sand, shale	1905	2093	gas chk @ 1919' No Show
Gantz	2093	2114	
sand, shale	2114	2140	
50 ft	2140	2191	
sand, shale	2191	2196	gas chk @ 2177' No Show
30 ft	2196	2229	
sand, shale	2229	2268	
Gordon	2268	2297	
sand, shale	2297	2460	gas chk @ 2265' No Show
3rd	2460	2496	
sand, shale	2496	2544	
4th	2544	2586	gas chk @ 2355' No Show
sand, shale	2586	2607	
4th A	2607	2646	
sand, shale	2646	2666	
5th	2666	2710	
sand, shale	2710	2912	gas chk @ 2711' No Show
Speechley	2912	3291	gas chk @ 2743' No Show
sand, shale	3291	3373	gas chk @ 3272' No Show
Balltown	3373	3693	gas chk @ 3649' No Show
sand, shale	3693	3778	
Bradford	3778	3912	
sand, shale	3912	4191	gas chk @ 3961' 2/10-1" H2O
Riley	4191	4296	
sand, shale	4296	4568	gas chk @ 4337' 2/10-1" H2O
Benson	4568	4615	gas chk @ 4430' 2/10-1" H2O
sand, shale	4615	4696	gas chk @ 4618' 2/10-1" H2O
	4696	4710	Driller TD 2/10-1" H2O gas chk @ DC 4/10-1" H2O

RECEIVED
 MAR 12 1990
 DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

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

- 1) Well Operator: Petroleum Development Corporation *38200, 2,544*
- 2) Operator's Well Number: Martin Kaufman #3 3) Elevation: 1440'
- 4) Well type: (a) Oil ___ / or Gas XX
(b) If Gas: Production XX / Underground Storage Deep ___ / Shallow XX
- 5) Proposed Target Formation(s): Benson #1S
- 6) Proposed Total Depth: 5000 feet
- 7) Approximate fresh water strata depths: 30, 210, 378'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 353-357, 497-500, 708-710, 1028-1032
- 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	----	----
Fresh Water						
Coal						<i>38CSP18-11.3 38CSP18-11.2.2</i>
Intermediate	8 5/8	J-55	20/23	1150	1150	C.T.S NEAT
Production	4 1/2	J-55	10.5	5000	5000	400 SKS
Tubing				<i>OK</i>		<i>38CSP18-11.1</i>
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

RECEIVED
OCT 06 1989

For Division of Oil and Gas Use Only
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Fee(s) paid: 27 Well Work Permit 27 Reclamation Fund 27 WPCP

Plat 27 WW-9 27 WW-2B 27 Bond Blanket sure Agent 27

RECEIVED
OCT 06 1989

**DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY**

- 1) Date: October 3, 1989
- 2) Operator's well number Kaufman #3
- 3) API Well No: 47 - 091 - 0613
State - County - Permit

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

- | | |
|---|---|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Martin Kaufman</u>
Address <u>3770 S.W. 76th Ave.</u>
<u>Davey, FL 33328</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> <p>6) Inspector <u>Donald Ellis #1</u>
Address <u>2604 Crab Apple Lane</u>
<u>Fairmont, WV 26554</u>
Telephone <u>(304)-534-5596</u></p> | <p>5) (a) Coal Operator:</p> <p>Name _____
Address _____</p> <p>(b) Coal Owner(s) with Declaration
Name <u>Tygart East Company</u>
Address <u>724 James Street</u>
<u>Bridgeport, WV 26330</u></p> <p>Name <u>Martin Kaufman</u>
Address <u>3770 S.W. 76th Ave.</u>
<u>Davey, FL 33328</u></p> <p>(c) Coal Lessee with Declaration
Name _____
Address _____</p> |
|---|---|

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:

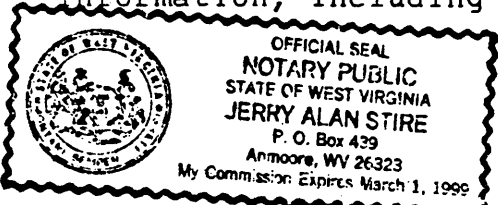
- _____ Personal Service (Affidavit attached)
- XX Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

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: _____
Its: President
Address PO Box 26
Bridgeport, WV 26330
Telephone 842-6256



Subscribed and sworn before me this 4th day of October, 19 89

Jerry Alan Stire Notary Public
My commission expires March 1, 1999

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

SEP 0 8

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: RAGER, REGINA Operator Well No.: KAUFMAN 3

LOCATION: Elevation: 1440.00 Quadrangle: PHILIPPI
District: COURT HOUSE County: TAYLOR
Latitude: 480 Feet South of 39 Deg. 15 Min. 0 Sec.
Longitude 3980 Feet West of 80 Deg. 5 Min. 0 Sec.

Well Type: OIL _____ GAS x

Company: Petroleum Development Corporation
PO Box 26, 103 East Main Street
Bridgeport, WV 26330

Coal Operator Tygart East Company
or Owner c/o Ben Putnam
724 James Street
Bridgeport, WV 26330

Agent: Eric R. Stearns

Coal Operator _____
or Owner _____

Permit Issued: 08/19/92

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Taylor ss:

Steven Trippett and Randy Underwood being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Phillip Tracy Oil and Gas Inspector representing the Director, say that said work was commenced on the 2nd day of September, 1992, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Class A cement	4622	4182		
6% gel	4182	3300		
Class A cement	3300	2860		2342' 4 1/2" csg
6% gel	2860	2318		
Class A cement	2318	2218		1148' 8 5/8" csg
6% gel	2218	1270		
Class A cement	1270	1170	2318' 4 1/2" csg	
6% gel	1170	surface		

9/9/92

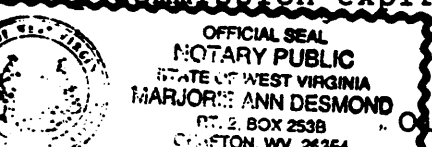
Description of monument: 8 5/8" csg approx 36" high with API# and 2" vent and that the work of plugging and filling said well was completed on the 2nd day of September, 1992.

And further deponents saith not.

Eric R. Stearns

Sworn and subscribe before me this 5th day of September, 1992
My commission expires: JULY 31, 2001

Marjorie Ann Desmond
Notary Public



Oil and Gas Inspector: _____

SEP 11 1992