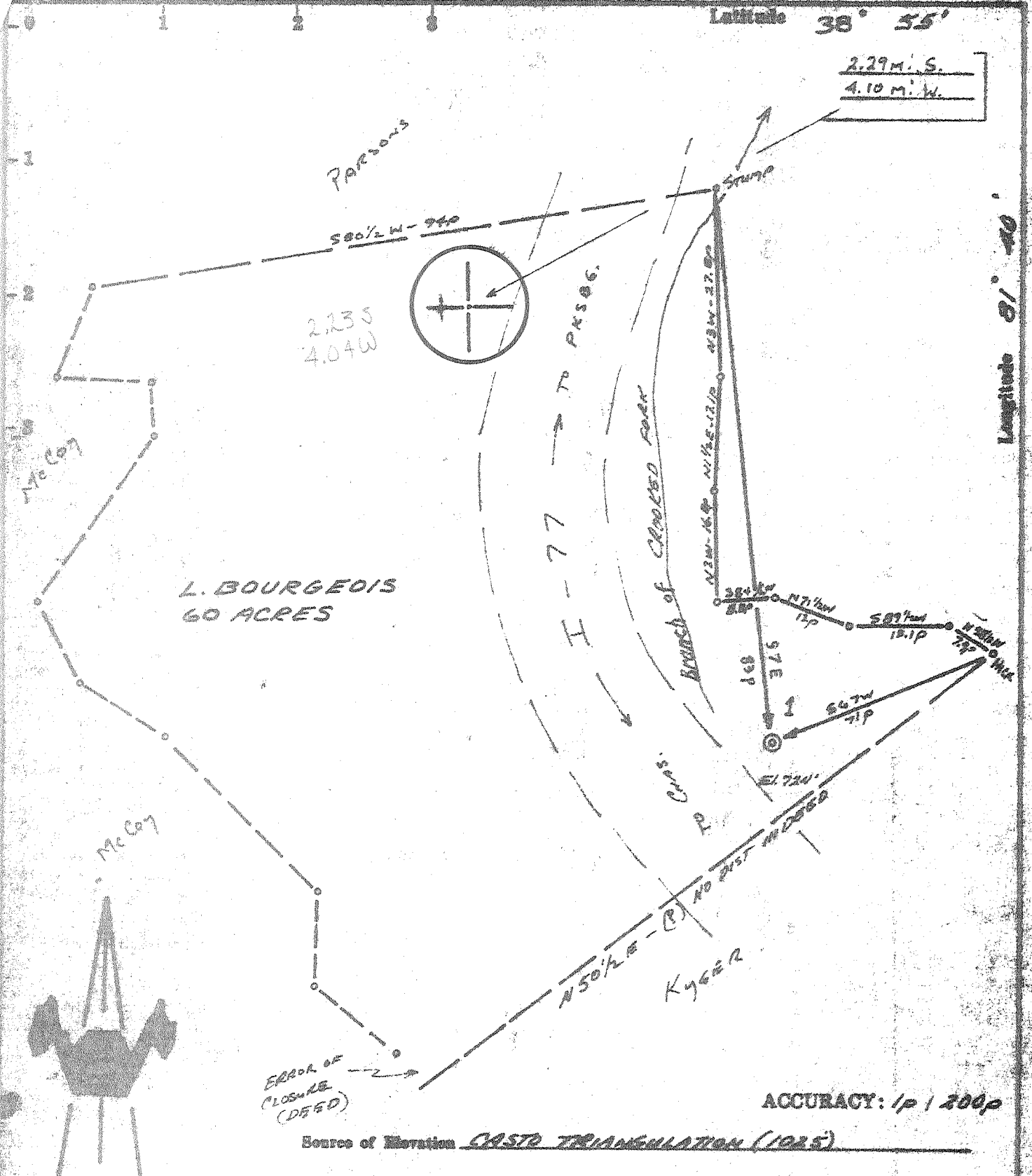


2.29 M. S.
4.10 M. W.



ERROR OF CLOSURE (DEED)

ACCURACY: 1 P 200 P

Source of Elevation CASD TRIANGULATION (1925)

New Location
 Drill Deeper
 Abandonment 7,970 12-12-79
 Structure
 Control

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Chief Watreman

Company STATE OF WEST VIRGINIA DEPT. OF MINES
 Address BOX 222 GASSAWAY, W. VA. 26624
 Farm L. BOURGEOIS
 Tract 60 Acres 14 of 1 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 724' W.C.S.
 Quadrangle RIPLEY
 County JACKSON District RAVENSWOOD
 Engineer CHIEF WATREMAN
 Engineer's Registration No. 3788
 File No. 70002-154 Drawing No. _____
 Date 5/2/70 Scale 1" = 200'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. 100-1207-P

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

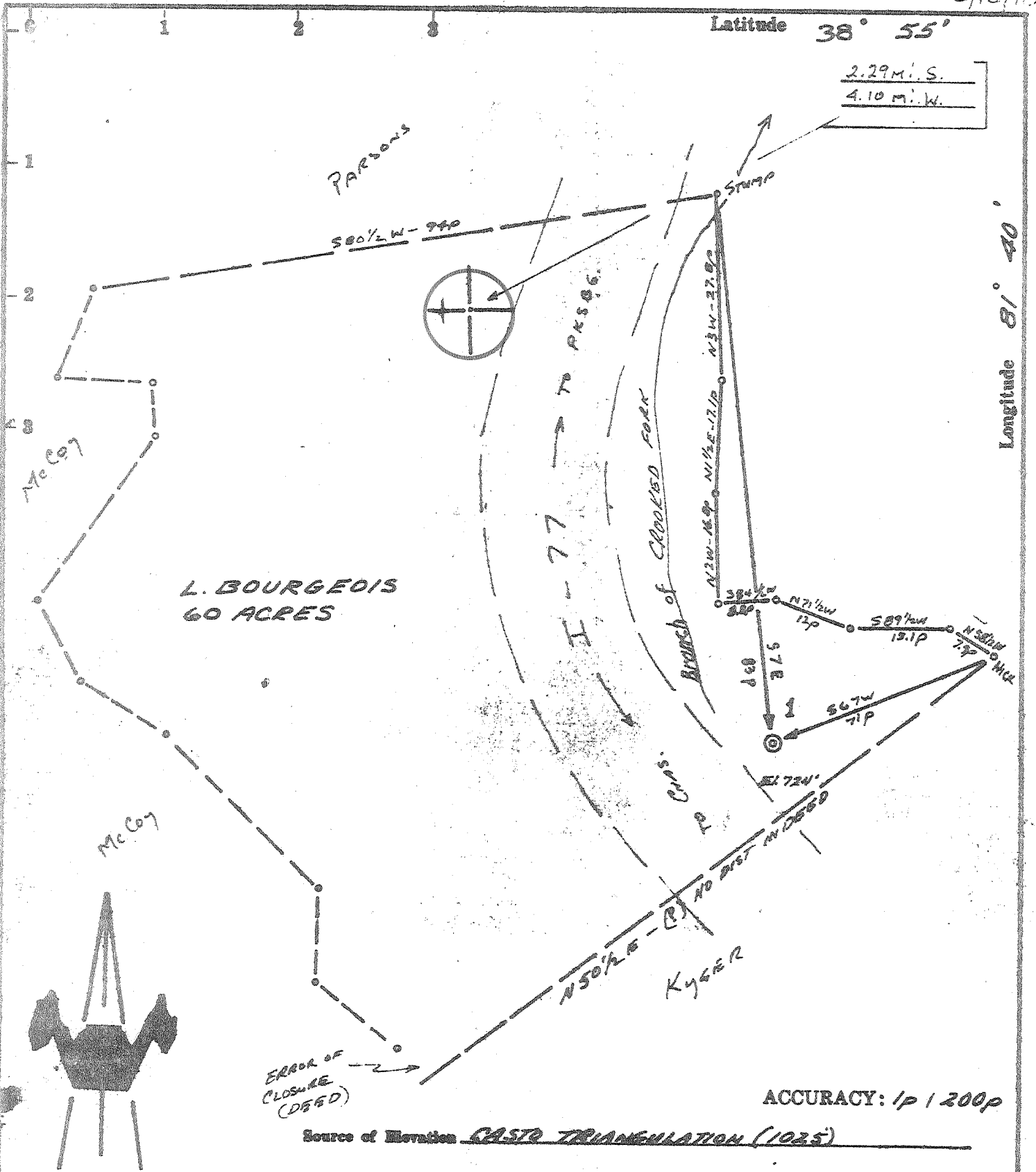
— Denotes one inch spaces on border line of original tracing.

47-035

H-500' Shale or better

Deep Well

JAN 10 1980



ACCURACY: 1p / 200p

Source of Elevation CASO TRIANGULATION (1025)

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- New Location
- Drill Deeper
- Abandonment 7,976
- Fracture
- Redrill 3/14/78

Chet Waterman

Company PEPPERIDGE OIL AND GAS CO. INC. - 5'

Address 550 NW LEJEUNE RD. MIAMI FL

Farm L. BOURGEOIS

Tract 14 of Acres 60 Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 724'

Quadrangle RIPLEY WC

County JACKSON District RAVENSWOOD

Engineer CHET WATERMAN

Engineer's Registration No. 3788

File No. 70003-154 Drawing No. _____

Date 5/2/70 Scale 1" = 20p

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

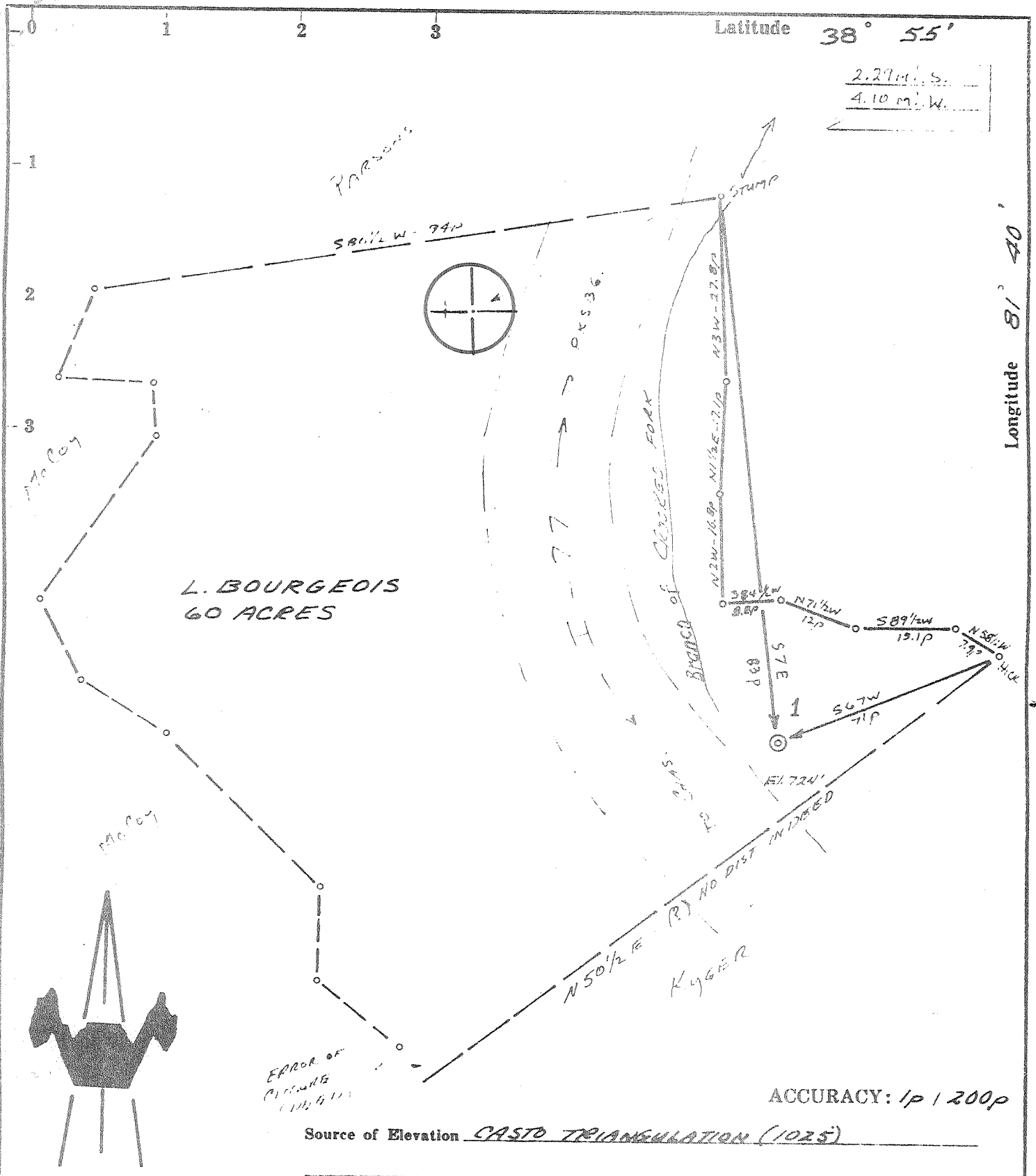
WELL LOCATION MAP
FILE NO. JAC-1207-F
RED

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

47-035 MAR 29 1978

4500' Shale of Berea Deep well



I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Chet Waterman

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill - 7-9-74

Company Burdette Oil + Gas Co. Inc.
~~ECOLITE GAS COMPANY, INC.~~

Address CHARLESTON, W. VA.

Farm L. BOURGEOIS
1/4 of

Tract 60 Acres Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 724'

Quadrangle RIPLEY WC

County JACKSON District RAVENSWOOD

Engineer CHET WATERMAN

Engineer's Registration No. 3788

File No. 70003-154 Drawing No. _____

Date 5/2/79 Scale 1" = 20P

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. JAG-1207-P

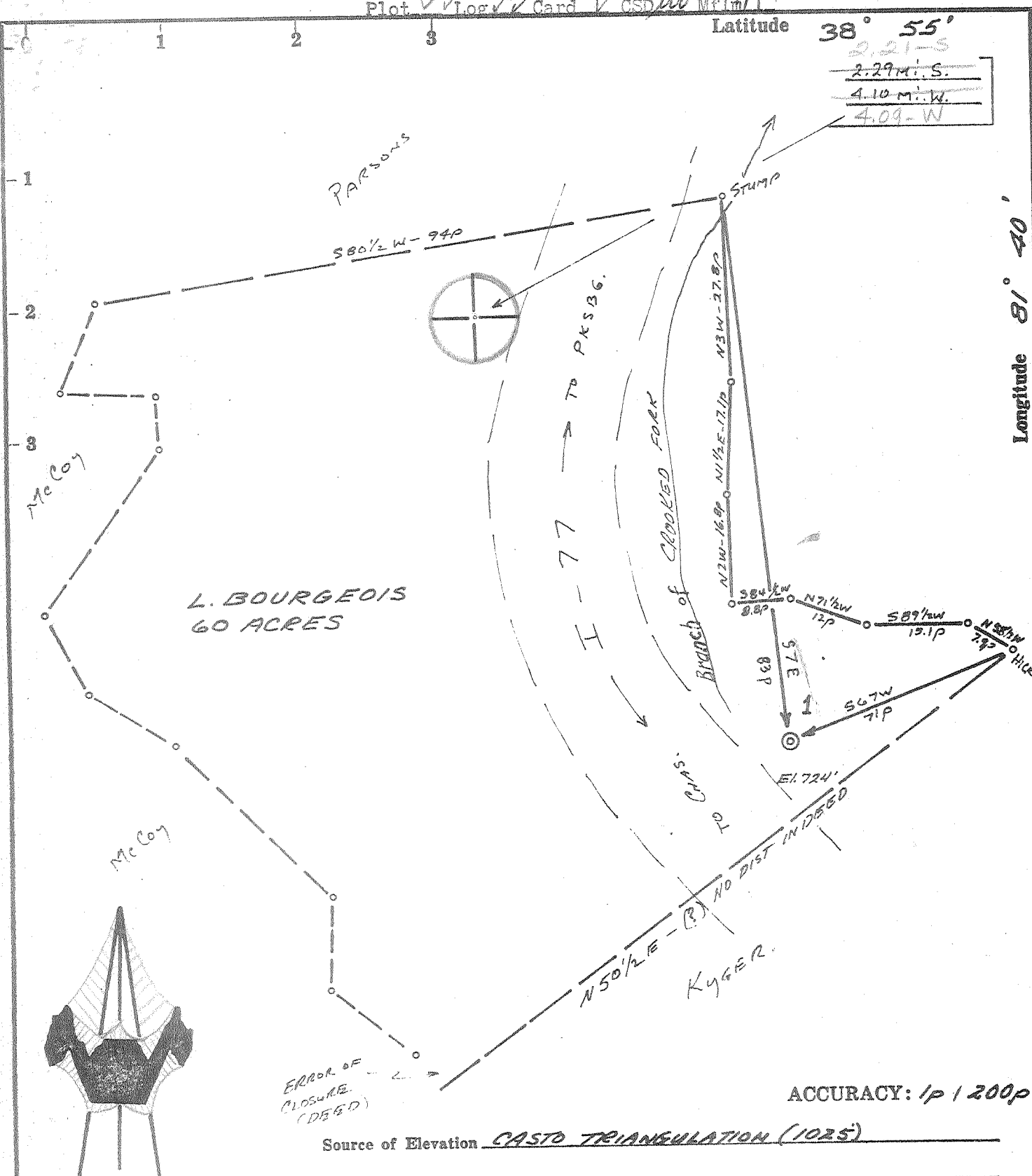
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

AUG 2 1974

Deep well

2.21-S
2.29 M. S.
4.10 M. W.
4.09-W



ACCURACY: 1p / 200p

Source of Elevation CASCO TRIANGULATION (1025)

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Chet Waterman

Company COLONIAL GAS COMPANY, Inc.
 Address CHARLESTON, W. VA.
 Farm L. BOURGEOIS
 Tract Acres 60 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 724'
 Quadrangle RIPLEY WC
 County JACKSON District RAVENSWOOD
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 70003-154 Drawing No. _____
 Date 5/2/70 Scale 1" = 20P

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. JAG-1207

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

6-6 Ripley 311

Deep Well (Newburg)

MAY 11 1970



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage
Oil or Gas Well **Gas**
(KIND)

Quadrangle Ripley
Permit No. Jac-1207

WELL RECORD

Company Colonial Gas Company
Address 1596 Kanawha Blvd. E., Charleston, W. Va.
Farm Lester A. Bourgeois Acres 60 ac.
Location (waters) Crooked Fork
Well No. One (1) Elev. 736 KB
District Ravenwood County Jackson
The surface of tract is owned in fee by L. Bourgeois
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 5/11/70
Drilling completed 5/29/70
Date Shot _____ From _____ To _____
With _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16.			
13.	200	200	
10.			Size of
8 5/8	2375	2375	
6 5/8			Depth set
5 3/4 1/2	5415	5415	
4 1/2			Perf. top
3.			Perf. bottom
2.	5430	5430	Perf. top
Liners Used			Perf. bottom

Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) Yes: 500 gal. 15% MCA acid, 20,000 # 20/40 sand
Est. open flow 66,000,000 cu.ft.
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 66,000 MCFGPD
ROCK PRESSURE AFTER TREATMENT 2065 # HOURS 24
Fresh Water _____ Feet
Producing Sand Newburg Salt Water _____ Feet

Attach copy of cementing record. 200 5/12/70
CASING CEMENTED 8-5/8 SIZE 2375 No. Ft. 5/19/70 Date
Amount of cement used 5-1/2 5415 5/25/70
Name of Service Co. Halliburton
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES
Depth 5442 - 5454

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock			0	50			
Sand			50	70			
Shale			70	120			
Red Rock			120	200			
Shale			200	280			
Sand			280	320			
Red Rock			320	410			
Shale			410	550			
Red Rock			550	620			
Shale			620	740			
Sand			740	800			
Shale			800	860			
Sand			860	910			
Shale			910	1050			

RECEIVED
JUL 14 1970
OIL & GAS DIVISION
DEPT. OF MINES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1050	1160			
Shale			1160	1290			
Sandy Shale			1290	1370			
Shale			1370	1430			
Sand - Salt	Salt		1430	1560			
Shale			1560	1650			
Little Lime			1650	1704			
Big Lime			1704	1867			
Big Injun			1867	2000			
Shale			2000	2302			
Coffee Shale			2302	2330			
Berea			2330	2336			
Shale			2336	4616			
Corniferous Lime	463		4616	4708			
Oriskany Sandstone			4708	4720			
Limestone & Dolomite		HELLERSBERG * SALINA	4720	5442			
Newburg			5442	5454			
Dolomite	McKenzie		5454	5469			
TOTAL DEPTH	5469'			545	5442 736 4706		

Date July 19th, 19 70
 APPROVED Caldwell & Co, Owner
 By W. H. ... (Title)

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

MAR - 9 1978

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RE

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

DATE March 8, 1978
Peth Drlg. Co, Inc. dba
Company Oil Funds Program # 5
Address 550 N. W. LeJeune Rd. Miami, Fl.
Farm Lester A. Bourgeois Acres 60
Location (waters) Crooked Fork
Well No. 1 (RE-entry) Elevation 724'
District Ravenswood County Jackson
Quadrangle Ripley

Surface Owner Lester A. Bourgeois
Address Rt. 1 Ripley, W. Va.
Mineral Owner (Same)
Address _____
Coal Owner N/A
Address _____
Coal Operator N/A
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 redrilling. This permit shall expire if
operations have not commenced by 7-14-78.

INSPECTOR
TO BE NOTIFIED Richard J. Morris
ADDRESS P. O. Box 372, Grantsville, W. Va.
PHONE 354-7259

Robert H. Waller
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 July 26 1977 by L.A Bourgeois Single made to Kanawha Coal Co., Inc. and recorded on the 27 day of July 1977, in Jackson County, Book _____ Page _____

_____ NEW WELL _____ DRILL DEEPER _____ REDRILL X _____ 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 _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, Oil Funds Program # 5
By Robert H. Waller
(Sign Name) _____
Well Operator

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

550 N. W. LeJeune Road
Street
Miami
City or Town
Florida 33126
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 reciting 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.

Cash Bond

JAC-1207-RED PERMIT NUMBER

47-035

Survey

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

PROPOSED WORK ORDER TO Re DRILL DEEPEN FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME R & R Service NAME Robert H. Waller
 ADDRESS P.O. Box 226 Ripley, W. Va. ADDRESS Raenwood, W. Va.
 TELEPHONE 372-2335 TELEPHONE 273-2001
 ESTIMATED DEPTH OF COMPLETED WELL: 4500 ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Shale or Berea
 TYPE OF WELL: OIL _____ GAS COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8			
<u>7 5/8</u>	<u>To 1050 - Cemented to Surface.</u>		
5 1/2			
4 1/2	<u>to 4500</u>		
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? _____ BY WHOM? _____

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

