

Plot Log Card 5m

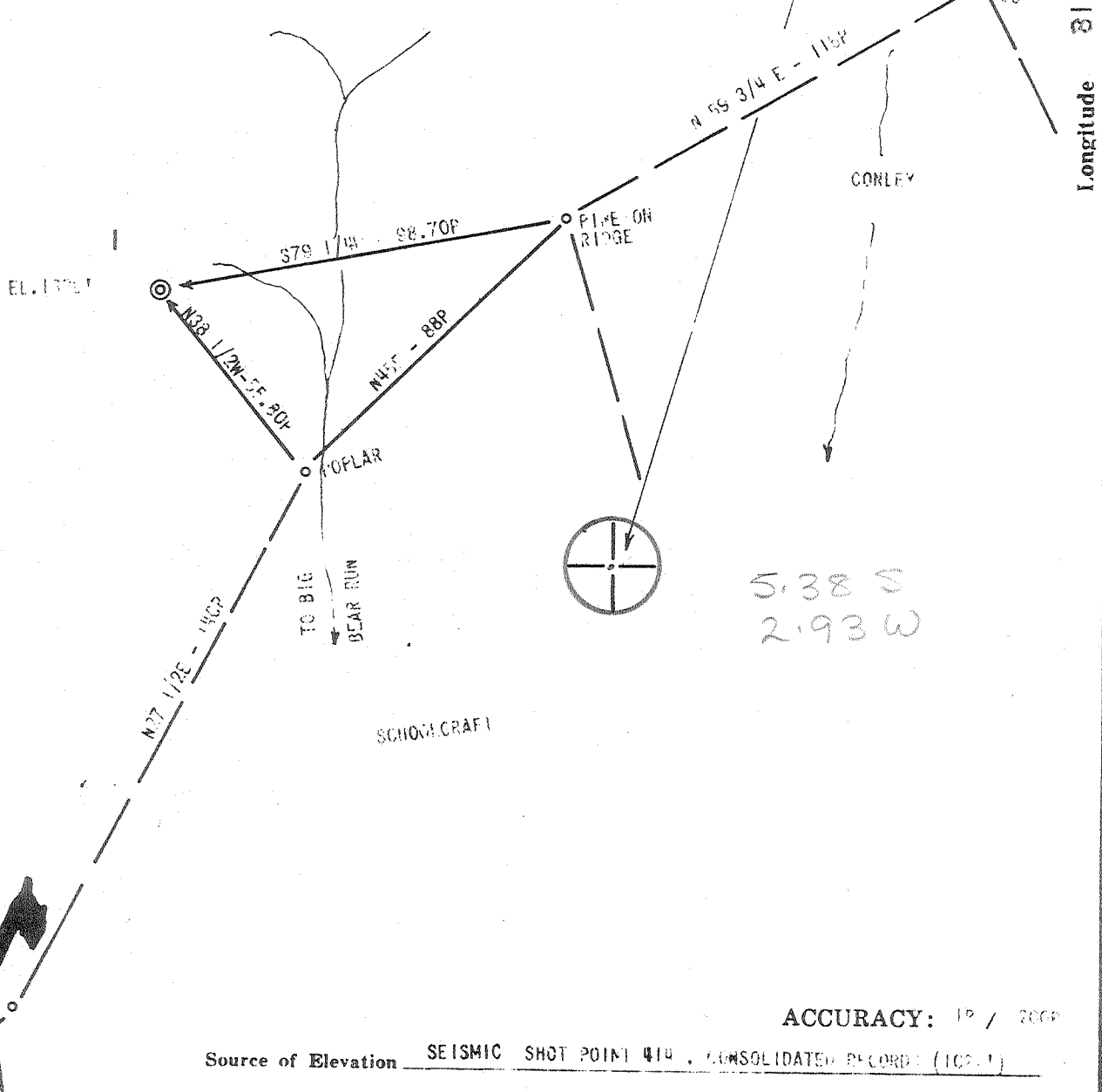
Latitude 38° 50'

25700' x 15300' NW

5.50 MI.
2.98 MI.

LOUIS BENNETT
19,500 ACRES

Longitude 81° 00'



ACCURACY: 1/2" / 200P

Source of Elevation SEISMIC SHOT POINT 414 . CONSOLIDATED RECORD (102.1)

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill 1/2/76

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 Franklin Adkins Drilling Co.
 Address 35 Valley View Dr. Vienna, W.V. 26101
 Farm LOUIS BENNETT
 Tract _____ Acres 19,500 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1328'
 Quadrangle RENOIDSBURG SE
 County CUN District WASHINGTON
 Engineer **CHET WATERMAN**
 Engineer's Registration No. 3788
 File No. 71003-484 Drawing No. _____
 Date 12/1/71 Scale 1" = 40P

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

WELL LOCATION MAP
FILE NO. CAL-2488
REDRILL

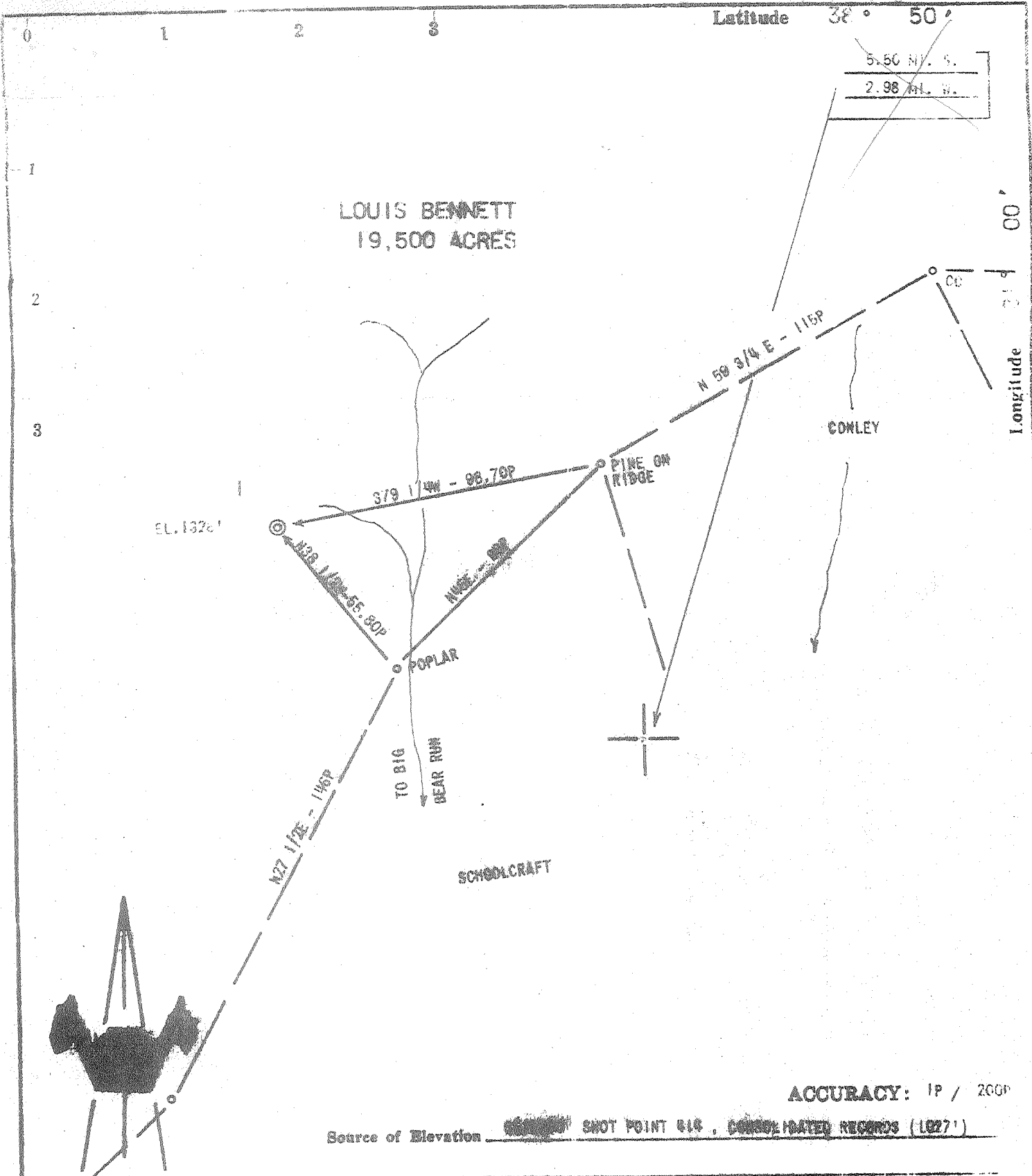
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

47-013

OWWO 6-6 Orma (172) Deep Well

JAN 16 1976



- New Location
- Drill Deeper
- Abandonment *incurred 9/20/72*
- 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 CRANON STANTON, INC.
 Address HOUSTON, TEXAS
 Farm LOUIS BENNETT
 Tract Acres 19,500 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1328'
 Quadrangle ARNOLDSBURG SE
 County BARBOUR District WASHINGTON
 Engineer CHET WATERMAN
 Engineer's Registration No. 8788
 File No. 71003-483 Drawing No. _____
 Date 12/1/71 Scale 1" = 40P

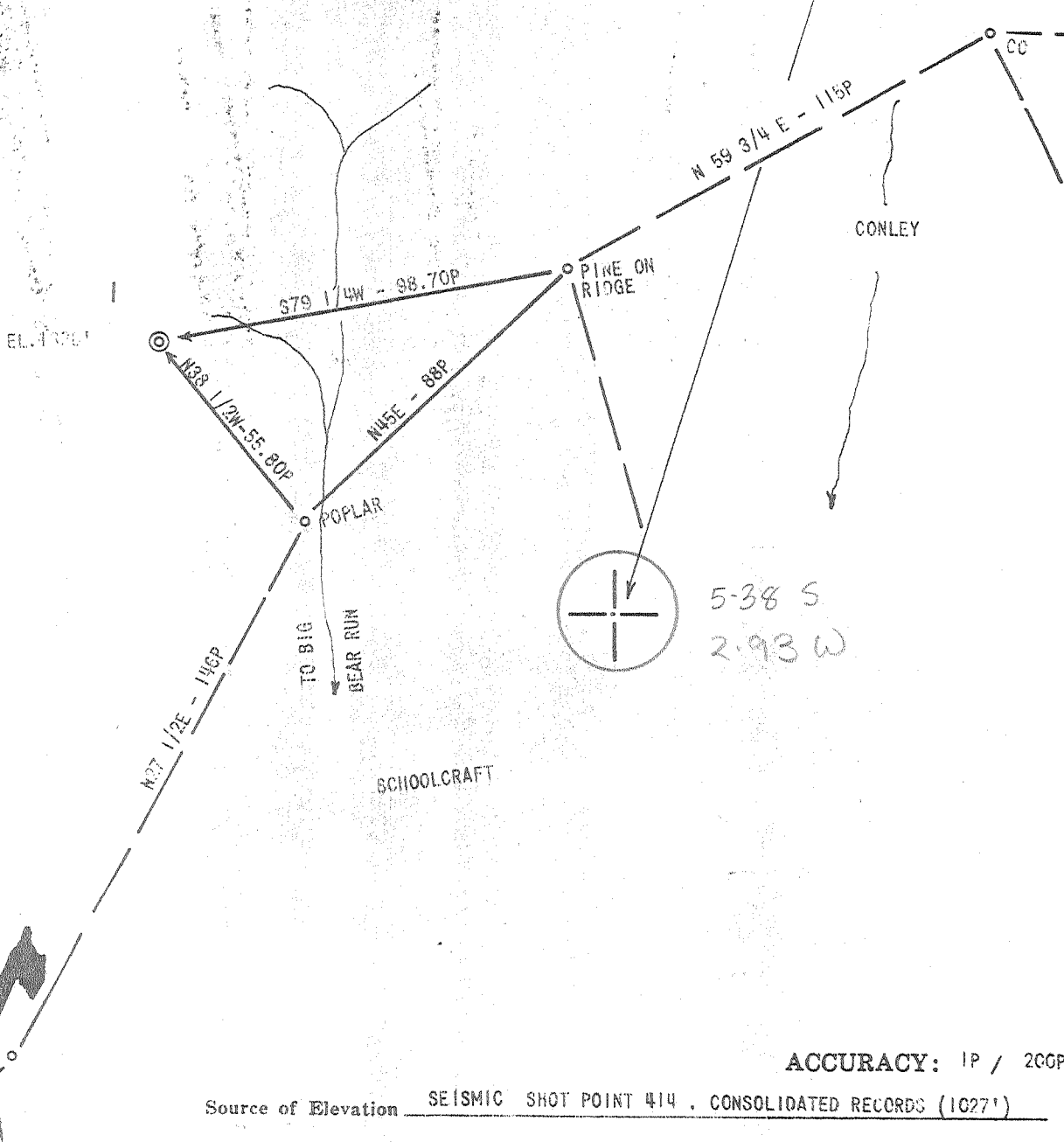
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. GA-2488-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.

5.50 MI. N.
2.98 MI. W.

LOUIS BENNETT
19,500 ACRES



- 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 RAMON STANTON, INC.
 Address HOUSTON, TEXAS
 Farm LOUIS BENNETT
 Tract Acres 19,500 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1328'
 Quadrangle WOLDSBURG SE
 County JUN District WASHINGTON
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 71003-483 Drawing No. _____
 Date 12/1/71 Scale 1" = 40P

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

WELL LOCATION MAP
 FILE NO. CAL-2488

+ 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.



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APR 10 1972

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

39-00
9-52

Rotary Oil *show*
Cable Gas *NO. 1*
Recycling Comb.
Water Flood Storage
Disposal **Dry**
(Kind)

Quadrangle Arnoldsburg

Permit No. CAL 2488

Company Cramon Stanton, Inc.
Address 2229 Chamber of Commerce Bldg. Houston, Texas 77002
Farm Louis Bennett Acres 19,500
Location (waters) Bear Run
Well No. 1 Elev. 1328 GR
District Washington County Calhoun
The surface of tract is owned in fee by Bennett Heirs et al.
Address Weston, West Virginia
Mineral rights are owned by Bennett Heirs
Address Weston, West Virginia
Drilling Commenced 12-22-71
Drilling Completed 2-28-72
Initial open flow -- cu. ft. -- bbls.
Final production -- cu. ft. per day -- bbls.
Well open -- hrs. before test -- RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			To surface.
Cond. 13-10"			
9 5/8	2600'	2600'	6480' 600 sx
8 5/8			
7			
5 1/2	8660'	2180'	
4 1/2			
3			
2			
Liners Used			

Attach copy of cementing record.

Treated Tuscarora sand with 4000 gals. Mud Acid. No Gas.
Treated Dolomite 4000 gals. 20% HCL. No Gas.

Coal was encountered at --- Feet --- Inches
Fresh water --- Feet Salt Water --- Feet
Producing Sand Injun Sand Depth 2424-2452' and 2470-2510'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
✓ Big Lime-Gry		Hd	2342	2424	Gas	
✓ Injun-Wh to Gry		Hd	2424	2520	Gas	
✓ Shale - Gry to Bk		--	2520	6324	Sho gas	
✓ Onondaga - Dk Gry		Hd	6324	6504		
✓ Oriskany - Wh		Hd	6504	6586	Sho gas	
✓ Helderberg - Dk Gry		Hd	6586	6700		
alina - Ls. and Dolo.-Gry-Br		Hd	6700	7620	Shows gas	
Williamsport McKenzie (Newburg) Wh		Hd	7620	7650	Show gas	
McKenzie		Hd	7650	8008	Shows gas	
Dolo & Ls.-Br-Gry		Hd	8008	8502	--	
Rose Hill-Mottled		Hd	8502	8615	Show gas	
Tuscarora - Wh		Hd	8502	8615		
Juniata - Rd sh		Hd	8615	8660		

(OVER)

8660
2520
6140 explor. footage

Geolog depths:
Newburg - 7620 - 7780
McKZ - 7780 - 7997
Keefer - 7997 - 8047
RSHL - 8047 - 8550 [8500, McKZ]
TRR - 8550 - [8500 - 8645, McKZ]

615
2342 6324
1328 1328
1014 4996

(over)

* Indicates Electric Log tops in the remarks section.

APR 19 1972

GEOLOG

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
<u>Plug Back Record:</u>						
McCullough Plug set @ 7352'						
Filled with 6% Gel 7352-6480'						
Cut 5½" Casg @ 6480'						
Cement Plug 6480-6430'						
Filled with 6% Gel 6430-2700'						
Cement Plug 2700-2600'						
Base of 9-5/8" Csg. 2600'						
Plan to complete as Injun Sand Gas Well.						

Date April 7, 1977

APPROVED Cameron Stanton, Jr. Owner

By Cameron Stanton, Pres.
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

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JUN 30 1976

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle ARNOLDSBURG

Permit No. CAL-2488 RED.

Rotary _____ Oil X
Cable X Gas X
Recycling _____ Comb. X
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company <u>Franklin Adkins</u>	P.O. <u>Box 68</u>	Casing and	Used in	Left	Cement fill up Cu. ft. (Sks.) 990 sks.
Address <u>Vienna, W. Va. 26105</u>	<u>ONA, W. Va.</u>	28545 Tubing	Drilling	in Well	
Farm <u>Louis Bennett</u>	Acres <u>19,500</u>	ph. <u>295-6724</u>			
Location (waters) <u>Bear Run</u>					
Well No. <u>1-A</u>	Elev. <u>1328</u>	Size			
District <u>Washington</u>	County <u>Calhoun</u>	20-16			
The surface of tract is owned in fee by _____		Cond.			
Address _____		13-10"	100	100	
Mineral rights are owned by <u>Hunter Bennett Et. Al</u>		9 5/8	2600	2600	
Address <u>Weston, W. Va.</u>		8 5/8			
Drilling Commenced <u>Jan. 12, 1976</u>		7			
Drilling Completed <u>May 25, 1976</u>		5 1/2			
Initial open flow <u>show</u> cu. ft. <u>show</u> bbls.		4 1/2			
Final production <u>300,000</u> cu. ft. per day <u>5</u> bbls.		3			
Well open <u>4</u> hrs. before test <u>360</u> RP.		2		2510	
Well treatment details:		Liners Used			

Attach copy of cementing record.

1000 gal. 15% acid, 2 gal. A-170, 45,000 # 20/40 mesh sand, 400 lbs. J-209,
F-52, 20 gals. W-30, ran 10 ball sealers during treatment, 880 bbls. of water.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet
Producing Sand Injun Sand Depth 2120-32 2468-88

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Redrilled to depth of 2600'						
Slate, Sand			0	2120		
Sand			2120	2200		
Sand, Slate, Lime			2200	2340		
Big Lime			2340	2424		
Sand <u>Big Injun</u>			2424	2522	Gas, oil, show	
Slate			2522	2600		
T. D.			2600			

Franklin Adkins, Partner
June 26, 1976

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JAN 2 - 1976
OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE January 2, 1976

Surface Owner Hunter Bennett, Jr. Trustee
Address Weston, W.Va.
Mineral Owner Same
Address _____
Coal Owner None
Address _____
Coal Operator None
Address _____

Company Franklin Adkins Drilling Company
Address 35 Valley View Dr. Vienna, W.Va. 26101
Farm Louis Bennett, Hrs. Acres 19,500
Location (waters) _____
Well No. 1 Elevation 1328'
District Washington County Calhoun
Quadrangle Arnoldsburg

THIS PERMIT MUST BE POSTED AT THE WELL SITE

provisions being in accordance with Chapter 22 of the W. Va. Code, the location is hereby approved. Re-Drilling. This permit shall expire if operations have not commenced by 5-2-76

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Richard J. Morris
PH: 354-7259 ADDRESS Grantsville, W.Va.

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, (Farm-out - Dec. 8, 1971) under grant or lease dated October 25 19 15 by Louis Bennett made to Hope Natural Gas and recorded on the 25th day of October 19 15, in Calhoun County, Book 170 Page 127

NEW WELL DRILL DEEPER XXX REDRILL 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 [Signature]
(Sign Name Franklin Adkins)
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOLOGICAL LOGS DIRECTLY TO:
West Virginia Geological and Economic Survey
P. O. Box 879
Martinsburg, W. Va. 26505
Tel. 304-296-4461

Address
of
Well Operator

35 Valley View Drive
Street
Vienna
City or Town
West Virginia 26101
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.

CAL-2488-P-RED PERMIT NUMBER

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

PROPOSED WORK ORDER TO DRILL DEEPEN FRACTURE-STIMULATE

DRILLING CONTRACTOR: (If Known) Frank Adkins Drilling Co. RESPONSIBLE AGENT: Franklin Adkins
 NAME Frank Adkins Drilling Co. NAME Franklin Adkins
 ADDRESS 35 Waller New River ADDRESS Wenner W.V. 26101
 TELEPHONE 295-6724 TELEPHONE 295-6724
 ESTIMATED DEPTH OF COMPLETED WELL: 2600 ROTARY CABLE TOOLS
 PROPOSED GEOLOGICAL FORMATION: Ingram
 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 - 15			
13 - 10			
9 - 5 7/8	<u>2600</u>	<u>2600</u>	<u>to Surface</u>
8 - 5 7/8			
7			
5 1/2			
4 1/2			
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

