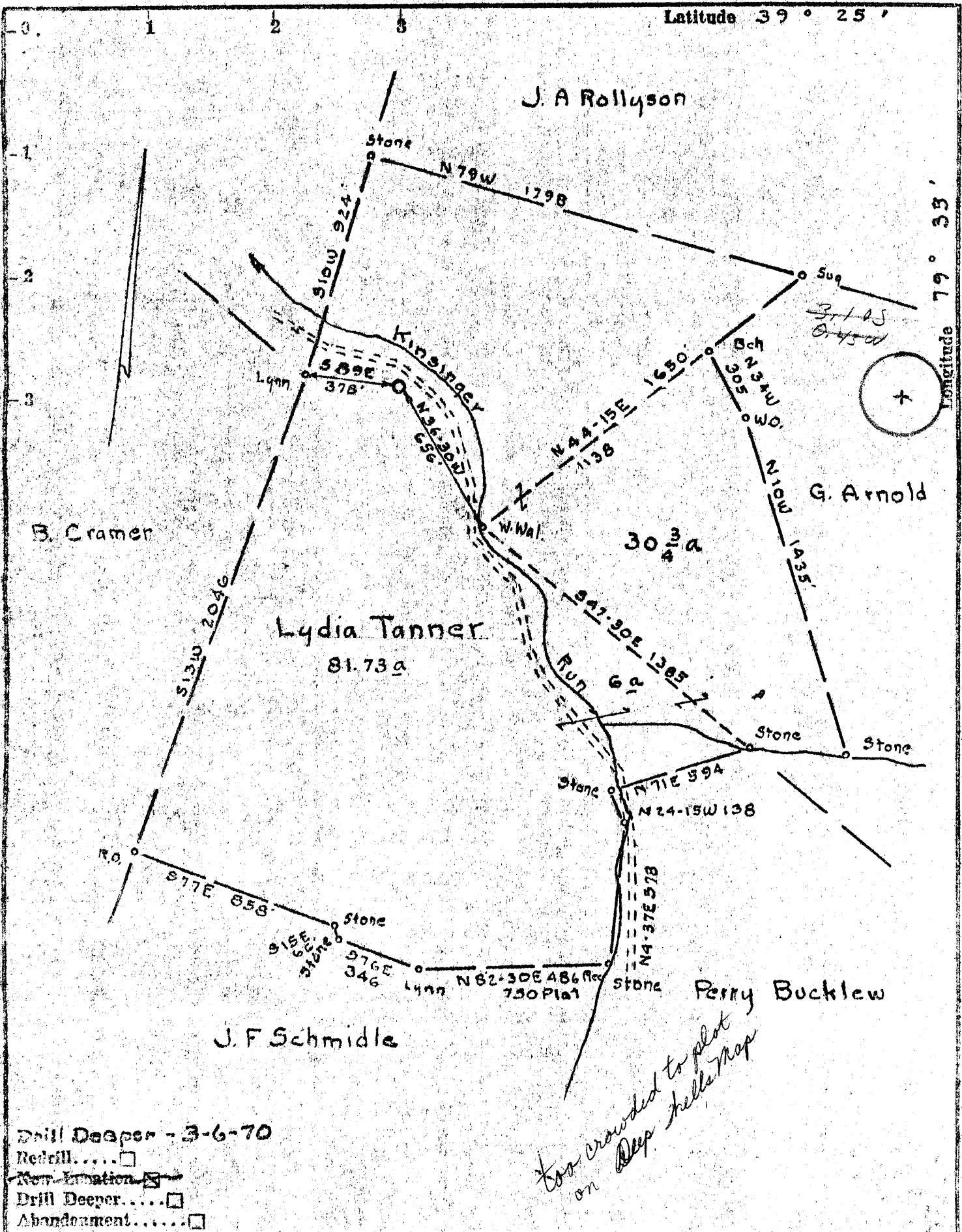


Latitude 39° 25'

Longitude 79° 33'



- Drill Deeper - 3-6-70
- Redrill.....
- Non-Exhaustion
- Drill Deeper.....
- Abandonment.....

Atlantic Seaboard Corporation
 Company Union 109 No. 7
 Address Charleston, W. Va.
 Farm Lydia Tanner (Bischoff, et al)
 Tract Acres 118.48 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1827.5 VA.
 Quadrangle Kingwood C
 County Preston District Union
 Engineer Jamae J. Joffice
 Engineer's Registration No. 1034
 File No. 2007B Drawing No. _____
 Date 6-24-61 Scale 1" = 500'

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

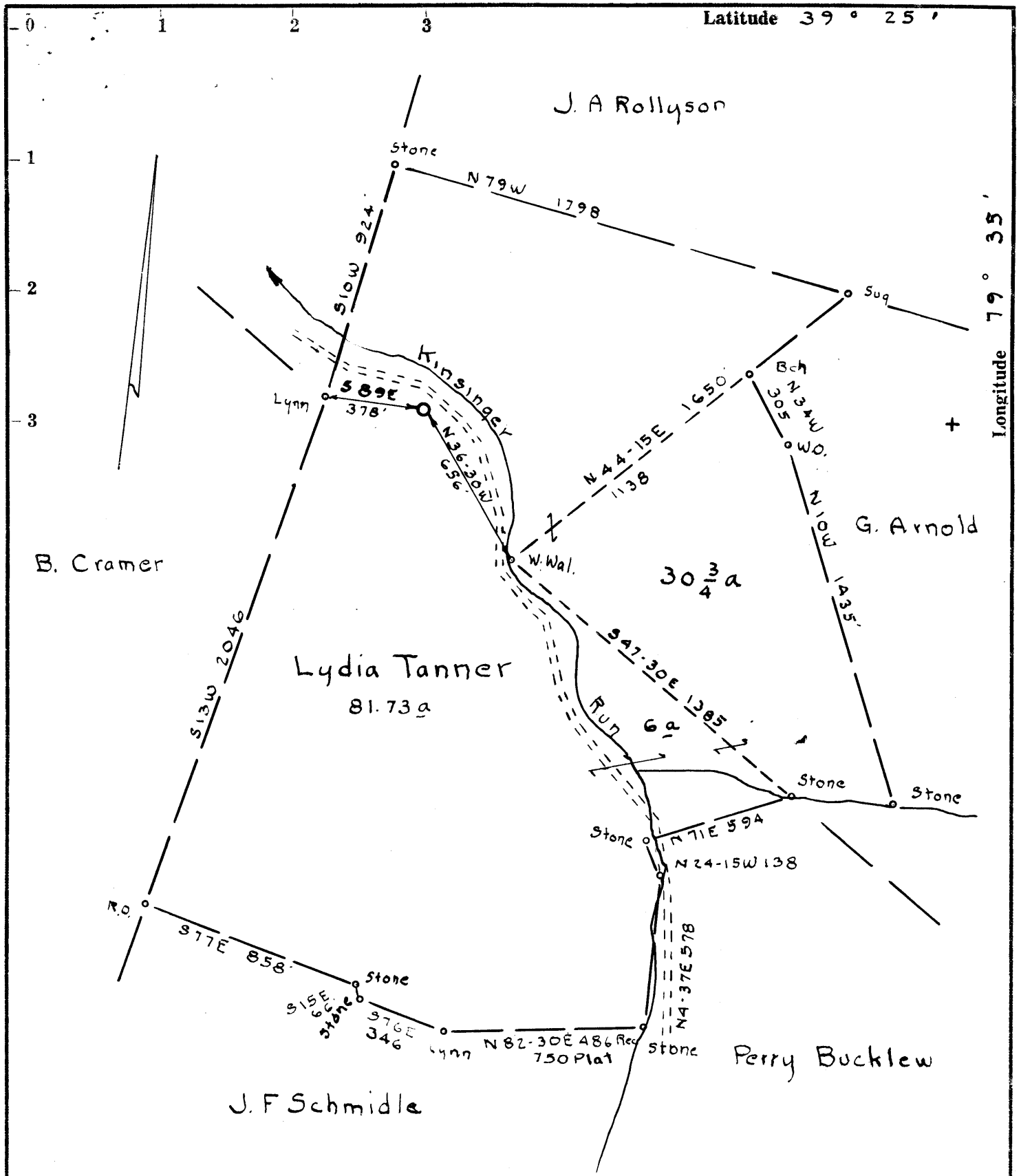
WELL LOCATION MAP
 FILE NO. PRES-91-DD

+ 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.

OWTD GS 9-0 Terra Alt 280

Deep Well 160 MAR 18 1970



- Redrill.....
- New Location.
- Drill Deeper.....
- Abandonment.....

Company Union Gas No 7
 Address Clarksburg, W.Va.
 Farm Lydia Tanner
 Tract _____ Acres 118.48 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1827.5 V.A. _____
 Quadrangle Kingwood
 County Preston District Union
 Engineer James D. Jeffries
 Engineer's Registration No. 1084
 File No. 200/B Drawing No. _____
 Date 6-24-61 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. Pres-91-DD

+ 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.

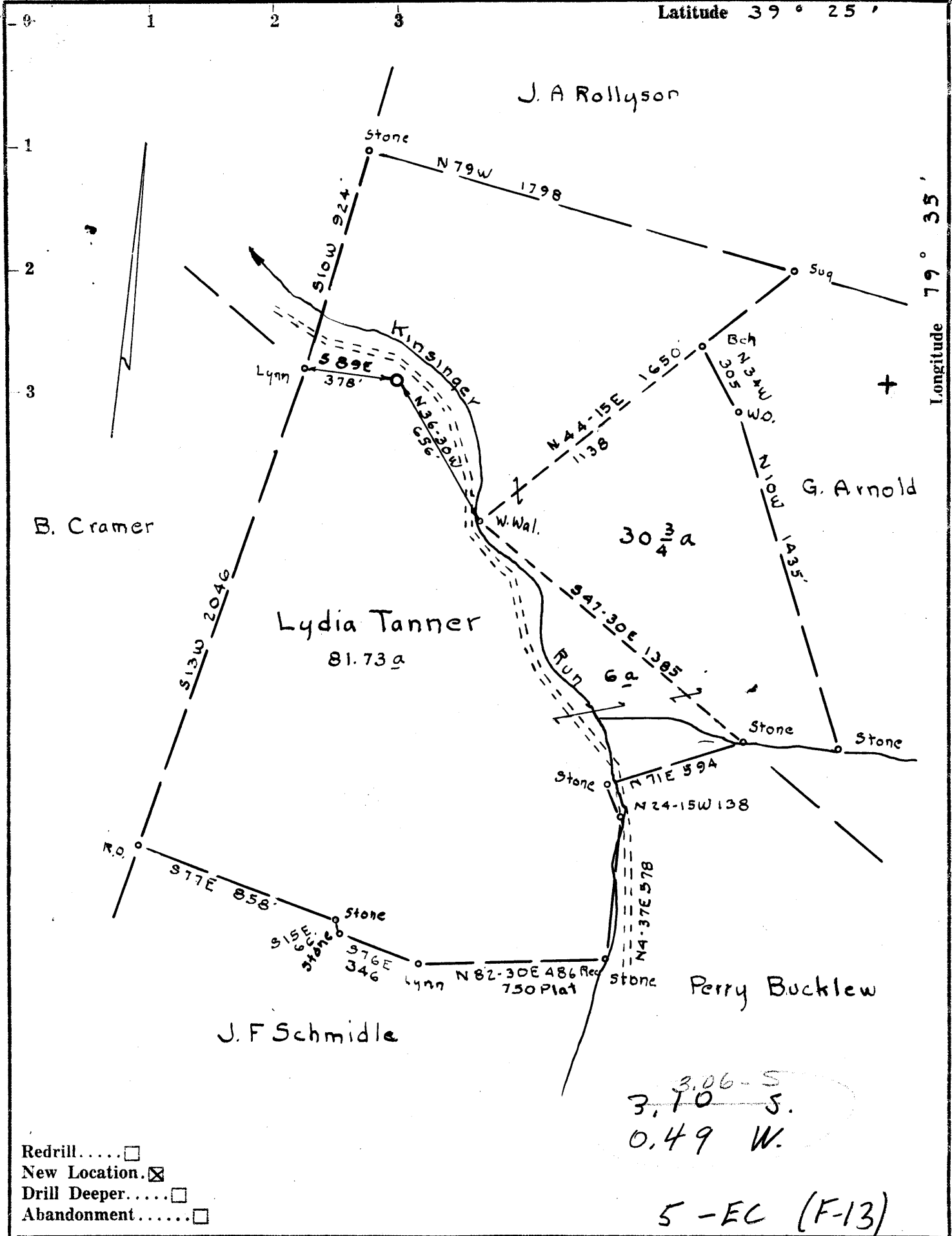
— Denotes one inch spaces on border line of original tracing.

47-077

(Helderberg) Deep Well

Latitude 39° 25'

Longitude 79° 35'



- Redrill.....
- New Location.
- Drill Deeper.....
- Abandonment.....

3.06 - S.
 3.10 - S.
 0.49 W.

5-EC (F-13)

Company Union Gas No 7
 Address Clarksburg, W Va.
 Farm Lydia Tanner
 Tract _____ Acres 118.48 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1827.5 V.A. _____
 Quadrangle Kingwood - C
 County Preston District Union
 Engineer James D. Guffries
 Engineer's Registration No. 1084
 File No. 200/B Drawing No. _____
 Date 6-24-61 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. PRES-91

+ 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.

No Samples

Deep Well



3.06 mi S of 39° 25'
0.47 mi W of 79° 35'

Map Square 172-129

39-30
5-35

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

Rotary
Spudder
Cable Tools
Storage E. NOLL

Quadrangle Kingwood

Permit No. Pres. - 91 D.D.

WELL RECORD
"Drill Deeper"

Oil or Gas Well (KIND)

Company Atlantic Seaboard Corporation
Address P. O. Box 1273, Charleston, W. Va. 25325
Farm Carrie M. Bishoff, et.al Acres 117
Location (waters) Kinsinger Run
Well No. X-76-S-7506 Elev. 1827.5
District Union County Preston
The surface of tract is owned in fee by Carrie M. Bishoff et. al 1/8
Address Terra Alta, W. Va.
Mineral rights are owned by Carrie M. Bishoff
Address Terra Alta, W. Va.
Drilling commenced March 26, 1970
Drilling completed March 28, 1970
Date Shot From To
With _____
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) (See Reverse Side)
WELL FRACTURED (DETAILS) _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			Depth set
6 3/4			
5 3/16			Perf. top (See
4 1/2	5150'	5150'	Perf. bottom Reverse
3			Perf. top Side)
2			Perf. bottom
Liners Used			

Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) (See Reverse Side)
Name of Service Co. Dowell
COAL WAS ENCOUNTERED AT None FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Oriskany							
Original Total Depth			5149'	5154'			
Oriskany			5167'	5329'	Gas 5183'	show	
Helderberg ✓			5329'				
Total Depth			5403'				
			5154				
			249				

RECEIVED
JAN 18 1971

Formation	Color	Hard or Soft	Top 5	Bottom	Oil, Gas or Water	Depth Found	Remarks
NOTE:							
4 1/2"	11.6#/ft., J-55, casing cemented in 1000' with 375 gallons of Cealment, and 80 sacks neat cement. May 24, 1970. Water with 1 drum Baroid B-1400, Left behind pipe to surface. Casing set about 2 feet in Oriskany sand.						
Perforations:							
	Chert (5014' - 5084') with 70 3 1/2" glass jets shots. Oriskany open hole. Basin Surveys Inc. May 12, 1970.						
Stimulation:							
	Dowell stimulated Oriskany pay using only fresh water to kill gas. Latter stimulated Chert pay only using 500 gal. Dowell Super X acid and 153 barrels of fresh water. Average pressure 1700#, average pump rate 8 BPM. May 15, 1970.						
Logging:							
	Gamma Ray - Caliper - (5385' - 4000') March 28, 1970						
	Temperature (5385' - 4900') March 28, 1970						
	Collar Log (5175' - 5050') May 2, 1970						
	Gamma Ray - PDC (5192' - 4900') May 12, 1970						

Date December 17, 1970

APPROVED Atlantic Seaboard Corp, Owner

By G. Hofford Supt.
(Title)



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

Quadrangle Kingwood

Permit No. Pres.-91

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company UNION GAS COMPANY NO. 7
Address P. O. DRAWER 351, CLARKSBURG, W. VA.
Farm LYDIA TANNER Acres 118.48

Location (waters) Kingsinger Run
Well No. ONE Elev. 1827.5 VA
District UNION County PRESTON

The surface of tract is owned in fee by CARRIE M. BISHOFF
TERRA ALTA, W. VA. Address Et. Al

Mineral rights are owned by Same
R. F. D. #3-Box 47-A Address Terra Alta, W. Va.

Drilling commenced August 8, 1961

Drilling completed January 17, 1962

Date Shot _____ From _____ To _____

With _____

Open Flow _____ /10ths Water in _____ Inch

_____ 20/10ths Merc. in 7"-Casing 23# Inch

Volume 7,050,000,000 Cu. Ft.

Rock Pressure 1790# lbs. 7 hrs.

Oil _____ bbls., 1st 24 hrs.

WELL ACIDIZED _____

WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18	55'	None	
10	417'	417'	Size of
8 1/4	1621'	1621'	
6 3/8	5005'	5005'	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 7" SIZE 4.50" No. Ft. _____ Date January 10, 1962

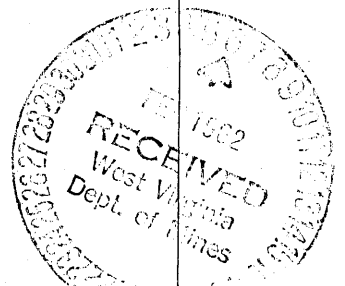
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Lime			25	45			
Slate		Gritty	45	55			
Lime		"	55	75			
Slate & Shells			75	380			
Slate			380	397			
Lime			397	450			
Slate & Shells			450	1200			
Lime			1200	1285			
Lime		Broken	1285	1308			
Sand	Brown		1308	1320			
Lime			1320	1625			
Lime	Light	Broken	1625	1700			
Slate & Shells	(Dark)		1700	2340			
Lime	Light		2340	2500			
Lime	"	Broken	2500	2620			
Lime	"	Hard	2620	2635			
Lime	"	Broken	2635	2700			
Lime	Dark	Medium	2700	2775			
Slate & Shells			2775	2990			
Lime			2990	3200			
Slate & Shells			3200	3340			
Lime		Broken	3340	3440			
Shale	Brown		3440	3485			
Lime			3485	3497			
Shale	Dark		3497	3550			
Lime			3550	3585			
Shale	Dark		3585	3940			
Shale	Black		3940	3990			



Water and Gas 3560
Gas and Water exhausted

Formation	Color	Hard or Soft	Top //	Bottom	Oil, Gas or Water	Depth Found	Remarks	
Lime	Gray (Light)		3990	4010				
Shale	Dark (Medium)		4010	4080				
Shale	Dark		4080	4206				
Tully Lime	Light		4206	4230				
Limey Shale	(Dark)		4230	4600				
Shale	Brown		4600	4620				
Shale	Dark		4620	4850				
Lime	Light Gray		4850	4880				
Lime	Dark		4880	4890				
Shale	Dark		4890	4902				
Limey Shale	(Dark)		4902	4925				
Marcello Shale	(Dark)		4925	4983				
Brown Break			4983	4985				
Ondago Lime			4985	5005				
Chart			5005	5140				
Slate			5140	5149				
Oriskany			5149	5154				
					Gas	5151-5154		
					20/10 M 7" Casing			
					Rock 24 Hr. 1790#			
			<i>has been deepened to 5403'</i>					

Date February 5, 1962

APPROVED UNION GAS COMPANY NO. 7, Owner

By *[Signature]* (Title)