



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

Rotary
Spudder
Cable Tools
Storage

Quadrangle Kingwood

Permit No. Pres-44 D.D. OWWO

WELL RECORD

Oil or Gas Well **Gas**
(KIND)

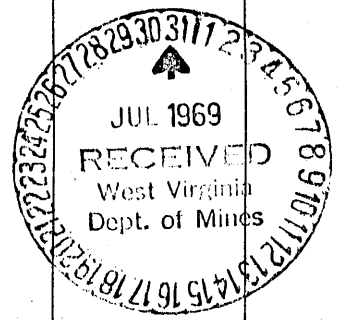
Company Atlantic Seaboard Corp.
Address P. O. Box 1273 Charleston, W. Va. 25325
Farm Gilbert E. Arnold, et al Acres 70
Location (waters) Salt Lick Creek
Well No. X-76-7382 Elev. 2208.81'
District Union County Preston
The surface of tract is owned in fee by -
Address -
Mineral rights are owned by Gilbert E. Arnold, et al
Address Terra Alta, W. Va.
Drilling commenced 8-25-67
Drilling completed 5-20-68
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) -
WELL FRACTURED (DETAILS) -

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

Attach copy of cementing record.
CASING CEMENTED SIZE No. Ft. Date
Amount of cement used (bags) -
Name of Service Co. -
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 7,820 Mcf 7.820,000
ROCK PRESSURE AFTER TREATMENT HOURS
Fresh Water Feet Salt Water Feet
Producing Sand Huntersville Chert & Oriskany Depth 5274-5415 5437-5571

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Initial Completion Date - 5-11-53							
Initial Depth - 5,577'							
Initial Pressure - 1,740 psi							
Initial Open Flow - 2.595 MMCF							
Initial Plug Back Depth - 5,460'							
Chert 5,274' - 5,415' = 141'							
Oriskany 5,437' - 5,571' = 134'							
Total Depth 5,571							
RECONDITIONING							
Reconditioning Started - 8-25-67							
Reconditioning Temporary Shut-down - 11-27-67							
Reconditioning Re-started - 4-1-68							
Reconditioning Completed - 5-20-68							
Final Recondition Depth - 5,571' (T.D. same as 5577' above)							
Open Flow Following Clean Out - 2.055 MMCF							
Open Flow Following Perforating - 750 MCF							
Open Flow Following Stimulation - 7.820 MMCF							
No new footage drld.							



* This an OWWO in a gas storage fld. The gas produced is storage gas and not primary gas reserves.



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Kingwood

WELL RECORD

Permit No. PRES-44

Oil or Gas Well Gas
(KIND)

Company Cumberland and Allegheny Gas Company
Address 800 Union Trust Building, Pgh., Penna.
Farm Lloyd E. Taylor Acres 70
Location (waters) _____
Well No. 1-494 Elev. 2209'
District Union County Preston

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
18	22'0"	22'0"	
	520'0"	520'0"	Size of
	1404'0"	1404'0"	Depth set
	5309'0"	5309'0"	
			Perf. top
			Perf. bottom
			Perf. top
			Perf. bottom

Mineral and Surface are owned $\frac{1}{4}$ each by the following:
Robert Taylor, Rowlesburg, West Virginia;
Pauline Cramer Taylor & Paul Taylor, R. #3, Terra Alta, W. Va.;
Gertrude Eberly, Dells Low, West Virginia; and
Howard Taylor, R. D. #3, Terra Alta, West Virginia

Drilling completed May 11, 1953

Date Shot _____ From _____ To _____

With _____

Open Flow _____ /10ths Water in _____ Inch

_____ 34/10ths Merc. in 3 Inch

Volume 1,518,121 Cu. Ft.

Rock Pressure 1740 lbs. 48 hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Space			0	7			
Top Soil			7	9			
Slate & Shells			9	462			
Grey Lime			462	500			
Slate & Shells			500	595			
Grey Lime			595	1213			
Brown Sand - <i>fine</i>			1213	1217			
Slate & Lime Shells			1217	1592			
Brown Shale			1592	1497			
Grey Lime			1597	1605			
Slate			1605	1870			
Lime			1870	2068			
Brown Shale			2068	2110			
Grey Lime			2110	2150			
Slate & Shells			2150	2900			
Brown Shale			2900	2940			
Slate & Shells			2940	3705			
Brown Shale			3705	3750			
Slate & Shells			3750	4250			
Brown Shale			4250	4446			
Lime			4446	4455			
Shale			4455	4633			
Lime			4633	4647			
Shale			4647	5247 5246			
✓ Brown Break			5246	5248			
✓ Lime - <i>Orindaga</i>			5248	5270			
✓ Chert Sand			5270	5405			
✓ Slate Break - <i>Need more</i>			5405	5430			
✓ Criskany Sand			5430	5571			
✓ Lime - <i>Need more</i>			5571	5577			
Total Depth			5577				
NOTE: Filled Hole to 5460' --							
Set Plug at 5460'							
Total Depth			5460				
					Gas 5451', Tested 4/10W-1"		
					Gas 5495', Tested 74/10W-1"		
					Gas 5527-5533', 92/10W-1"		
					Gas 5536', 28/10W-1 1/2"		
					Gas tested before acidizing 32/10W-1 1/2"		
					Rock Pressure 1800#...Tested after		
					Acidizing 96/10M-3"		
					May 1, 1953 Gas tested 62/10M-3"		
					May 11, 1953 Gas tested 34/10M-3" when completed		



5248
2209

-3039

485

5430

2209

-3221

Formation	Color	Hard or Soft	Top //	Bottom	Oil, Gas or Water	Depth Found	Remarks
<u>CASING & CEMENTING</u>							
4-1/2", 11.6 #/ft., J-55 - 5606' Set 6" off T.D.							
Two-stage cemented to surface with 681 sacks cement:							
604 sacks Litepoz 12.8 #/gal.							
77 sacks Cealment 15.6 #/gal. - Dowell 5-1-68							
<u>PERFORATIONS:</u>							
4 Shots per foot - 5438' to 5458' - 81 holes							
5506' to 5514' - 33 holes							
5524' to 5535' - 45 holes							
Perforated with 3-1/2" glass jets							
Average hole size .51"							
Well flow index 1.57							
<u>STIMULATION</u>							
12,000 gallons 28% HCl ("Super X") acid							
4,000 gallons water overflush							
250 SCF/bbl N ₂ in overflush and flush.							
Maximum Pressure 3800 psi							
Average Pressure 3360 Psi							
Average injection rate 11.7 bbl./min.							

Date July 28, 1969

APPROVED ATLANTIC SEABOARD CORPORATION, Owner

By Henry C. Foster
(Title)
Supervising Engineer
Civil Engineering Dept.