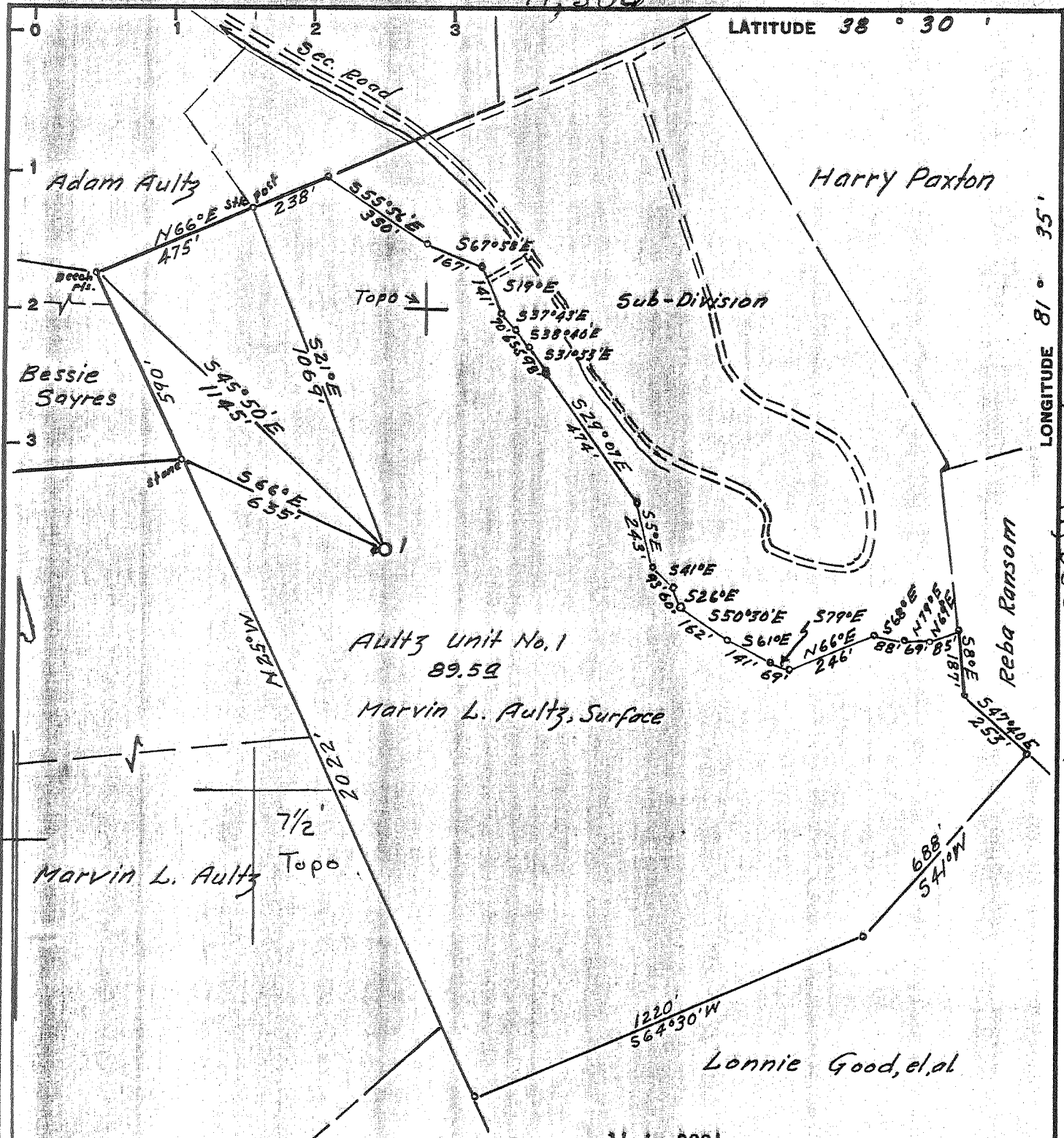


12/20/67CEN

11,500'



LATITUDE 38° 30'

LONGITUDE 81° 35'

11,350'

KAN 2211-D

Aultz Unit No. 1  
89.5A  
Marvin L. Aultz, Surface

Marvin L. Aultz Topo

Lonnie Good, et al

Minimum Error of Closure 1' in 200'

Source of Elevation U.S.G.S., BM. No. TT24, GBG, Located at  
Junction of Sec. Rd. 21/7 with U.S. Highway No. 21 -E1.81221

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.

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Signed: A.C. Hilbert

Map No. 92W Squares: N S 66 E W 59

Col Add'l Inf. Fat

COLUMBIA GAS TRANSMISSION CORP.  
P.O. Box 1273  
Charleston, WV a. 25325  
SURFACE: Mary S. Aultz # 9838

Tract \_\_\_\_\_ Acres 89.50 Lease No. 82334  
Well (Farm) No. 1 Serial No. 9838  
Elevation (Spirit Level) 1004.78  
Quadrangle Charleston Big Chimney 7 1/2'  
County Kanawha District Union  
Engineer A.C. Hilbert  
Engineer's Registration No. 2534  
File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
Date Dec. 7, 1967 Scale 1" = 400'

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

WELL LOCATION MAP

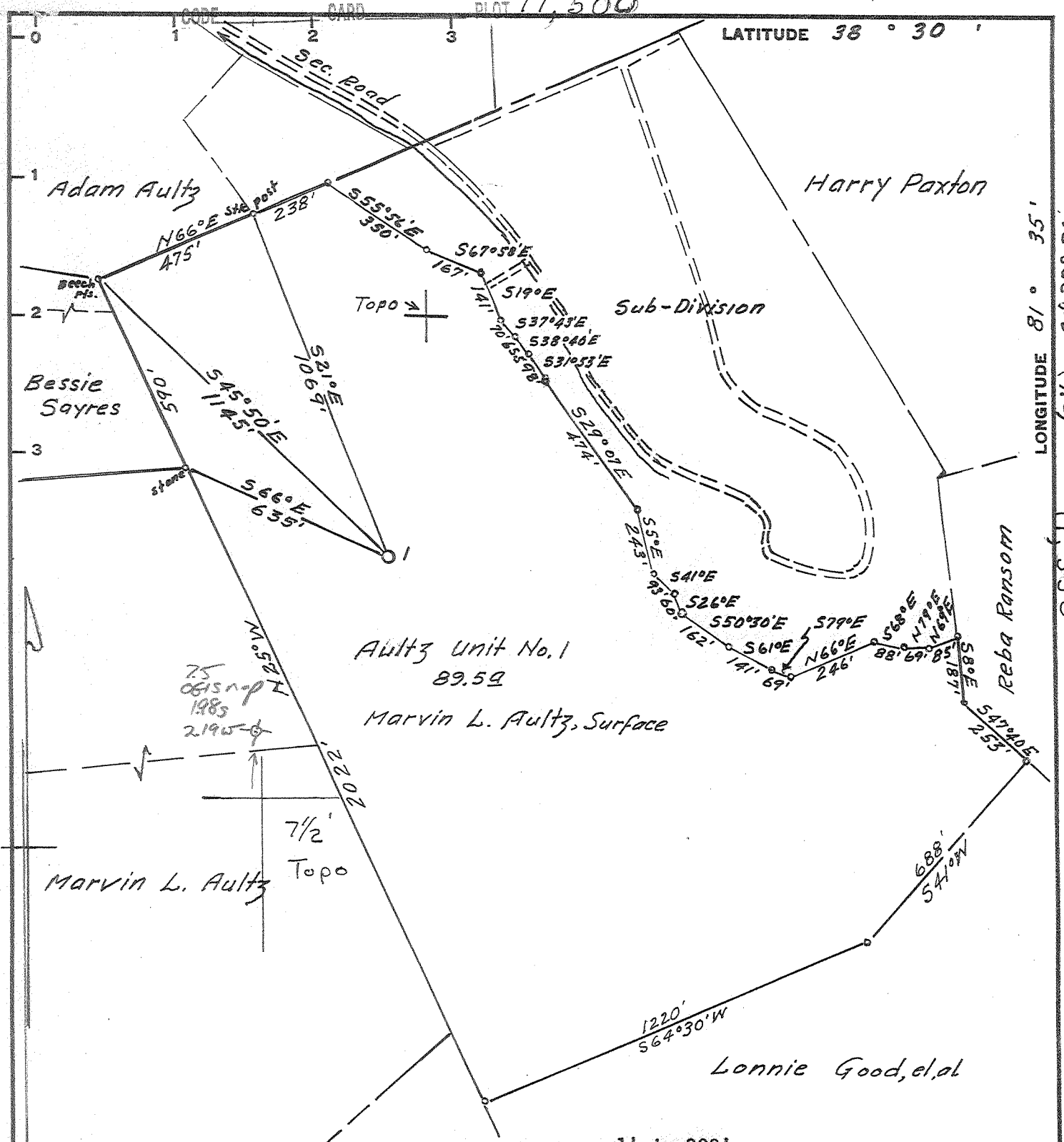
FILE NO. KAN-2211-P  
**CANCELLED**

+ 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 29 1988  
47-039

12/20/67 CEM



Aultz Unit No. 1  
89.59  
Marvin L. Aultz, Surface

Minimum Error of Closure 1' in 200'  
 Source of Elevation U.S.G.S., BM. No. TT24, GBG, Located at  
Junction of Sec. Rd. 21/7 with U.S. Highway No. 21 -E1.812.21

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.

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Signed: A.C. Hillbert  
 Map No. 92W      Squares:    N      S 66    E      W      59

COLUMBIA GAS TRANSMISSION CORP.  
 P.O. Box 1273  
 Charleston, WV a. 25325  
 SURFACE: Mary S. Aultz # 9838

Tract \_\_\_\_\_ Acres 89.50 Lease No. 82334  
 Well (Farm) No. 1 Serial No. 9838  
 Elevation (Spirit Level) 1004.78  
 Quadrangle Charleston Big Chimney 7 1/2'  
 County Kanawha District Union  
 Engineer A.C. Hillbert  
 Engineer's Registration No. 2534  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Dec. 7, 1967 Scale 1" = 400'

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

WELL LOCATION MAP

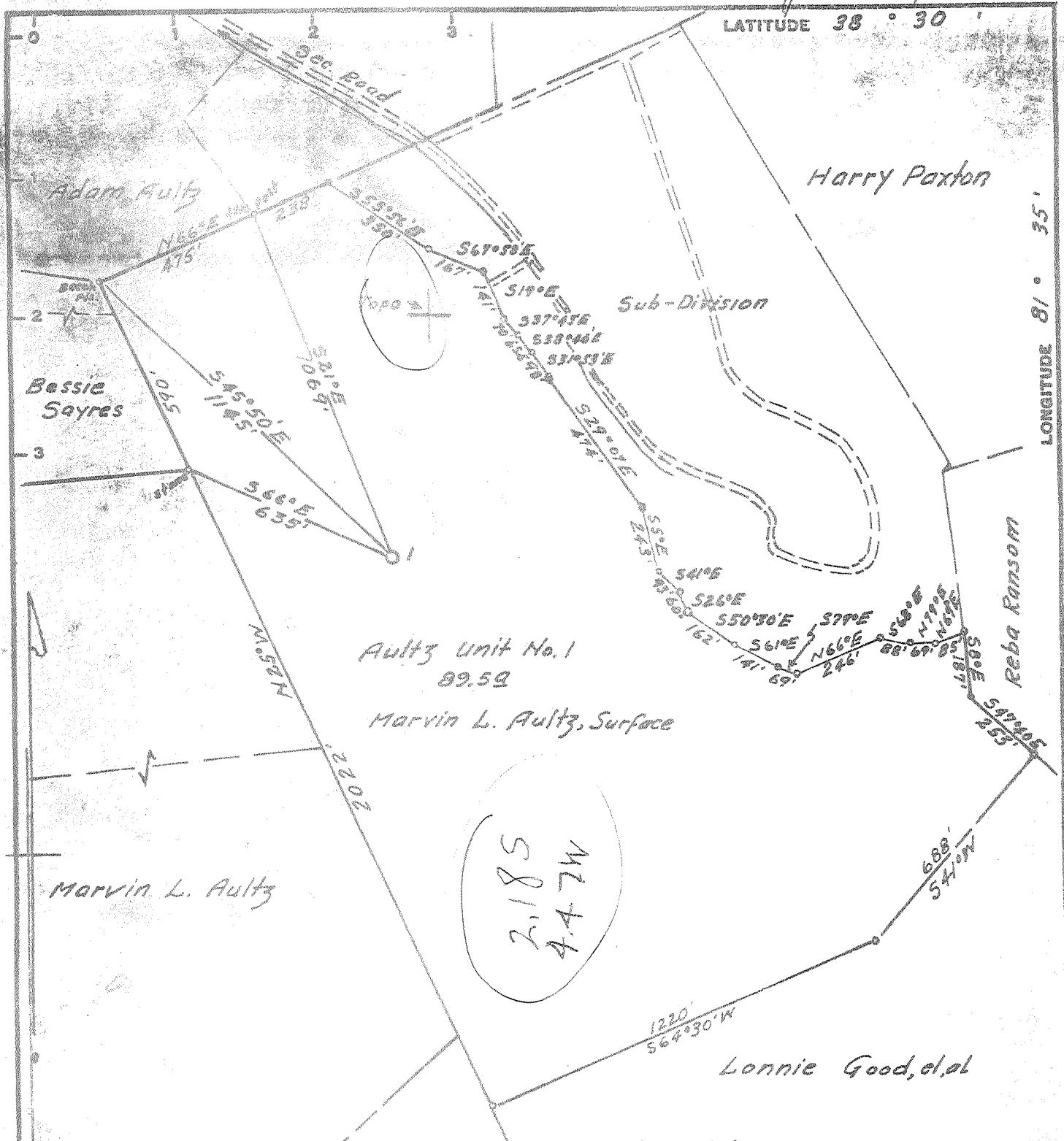
FILE NO. KAN-2211-P

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APR 15 1968  
 47-039

Deep well



Minimum Error of Closure 1' in 200'  
 Source of Elevation U.S.G.S., 2M, No. TT24, CBG, Located at  
Junction of Sec. Rd. 21/7 with U.S. Highway No. 21 -E1.812.21

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.

- Fracture
- New Location
- Drill Deeper
- Abandonment

Signed: A.C. Hillbert  
 Map No. 92W Squares: N S 66 E W 59

Company	PENNZOIL COMPANY		
Address	P. O. Box 1588, Parkersburg, W. Va.		
Farm	Aultz Unit No. 1		
Tract	Acres	Lease No.	
	89.50	82334	
Well (Farm) No.	1	Serial No.	
Elevation (Spirit Level)	1004.78		
Quadrangle	Charleston		NC
County	Kanawha	District	Union
Engineer	<u>A.C. Hillbert</u>		
Engineer's Registration No.	2514		
File No.	Drawing No.		
Date	Dec. 7, 1967	Scale	1" = 400'

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

**WELL LOCATION MAP**

FILE NO. KAN-2211

† 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.

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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 2

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle CHARLESTON  
Permit No. KAN-2211

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company PENNZOIL COMPANY  
Address P. O. Box 1588, Parkersburg, West Va.  
Farm Aultz Unit No. 1 Acres 89.50  
Location (waters) -  
Well No. 1 Elev. 1004.78  
District Union County Kanawha  
The surface of tract is owned in fee by Marvin L. Aultz  
Route 5, Box 489  
Address Charleston, West Va.  
Mineral rights are owned by Marvin L. Aultz  
Route 5, Box 489  
Address Charleston, West Va.  
Drilling commenced January 28, 1968  
Drilling completed February 17, 1968  
Date Shot - From - To -  
With -  
Open Flow /10ths Water in - Inch  
/10ths Merc. in - Inch  
Volume Est. 10,000 Mcf. Cu. Ft.  
Rock Pressure 2100 lbs. 1-3/4 hrs.  
Oil None bbls., 1st 24 hrs.  
WELL ACIDIZED -

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16.			Guide Shoe, Gui
13. -3/8"	258.70	258.70	Kind of Packer, Shoe,
10-8-5/8"	2100.64	2100.64	Guide Shoe, Float
8-5-1/2"	5835.80	5835.80	Collar, Blanket Plu
6-2-3/8"	5879.00	5879.00	Sealing Nipple
5.3/16			Size of 13-3/8", 8-5
3.			5-1/2", 5-1/2", 2-3/
2.			Depth set 256.35
Liners Used			2095.81, 5791.44
			5762.00, 5853.00
			Perf. top
			Perf. bottom
			Perf. top
			Perf. bottom

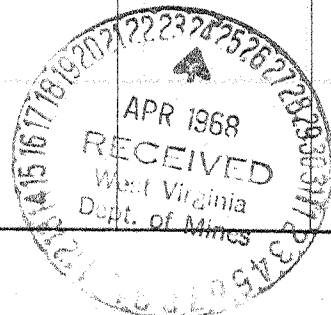
CASING CEMENTED 13-3/8" SIZE 258.70 No. Ft. 1-30-68 Date  
8-3/8" 2095.81 2-5-68  
5-1/2" 5791.44 2-18-68  
5-1/2" 5791.44 2-12-68  
COAL WAS ENCOUNTERED AT - FEET - INCHES  
- FEET - INCHES FEET - INCHES  
- FEET - INCHES FEET - INCHES

WELL FRACTURED 3-1-68 - with 1210 bbls, 32000# 20-40, 50 Gal. Howco suds, 1500# WAC-10, 1000# WG-6, 500# CW-1, 10000# Potassium Chloride

RESULT AFTER TREATMENT Gas: 25 M.M.C.F. 25,000 MCF Newburg  
ROCK PRESSURE AFTER TREATMENT 1954#

Fresh Water - Feet Salt Water - Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
lay			0	15			
and Rock			15	51			
hale			51	65			
and(Water)			65	69			
hale & Lime			69	75			
andy Shale			75	125			
and			125	154			
hale			154	180			
ed Rock			180	240			
and			240	252			
hale			252	370			
ed Rock			370	422			
hale (Broken)			422	461			
ed Rock			461	503			
ime			503	550			
ed Rock			550	570			
hale			570	840			
and			840	900			
hale			900	930			
and			930	1000			
hale			1000	1230			
and			1230	1323			
alt Sand			1323	1784			
ittle Lime			1784	1815			
encil Cave			1815	1820			
ig Lime			1820	2005			
njun Sand			2005	2058			
hale			2058	4150			
ime & Shale			4150	4251			



(over)

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sandy Shale			4251	4485			
Shale			4485	5000			
Sand			5000	5010			
Onondaga Lime			5010	5108			
Triskany Sand			5108	5148	Gas	5108-5140	267 MCF.
Lime			5148	5685			R.P. Shut in
Shale			5685	5805			7 hours
Lime & Dolo.			5805	5874			1300 PSI
Newburg Sand			5874	5874.5	Gas	5874-5874.5	10,000MCF.
Total Depth				5874.5			

Date April 23, 1968

APPROVED PENNZOIL COMPANY, Owner

By A. C. Hilbert  
A. C. Hilbert (Title) Engineer