

Notes
 This Map is For Well Location Only & Does Not Represent A Complete Property Survey. See Map E-1455
 (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS (1/2")

FILE NO. _____
 DRAWING NO. 20320
 SCALE 1" = 100'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION EXISTING
WELL ELEV. 674.16'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.
 (SIGNED) [Signature]
 R.P.E. _____ L.L.S. 819

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 SECTION OF OIL & GAS

DATE AUGUST 11, 19 99
 OPERATOR'S WELL NO. 20320
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL X
 (IF "GAS,") PRODUCTION STORAGE DEEP X SHALLOW

LOCATION: ELEVATION 674.16 WATER SHED TUPPERS CREEK
 DISTRICT UNION COUNTY KANAWHA
 QUADRANGLE POCATALICO COORDINATES LAT: 38°27'41" LONG: 81°39'04"

SURFACE OWNER COLUMBIA GAS TRANS. CORP. ACREAGE 4.27
 OIL & GAS ROYALTY OWNER COLUMBIA GAS TRANS. CORP. LEASE ACREAGE _____
 COAL OWNER COLUMBIA GAS TRANS. CORP. LEASE NO. _____

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION X PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON X CLEAN OUT AND REPLUG
 TARGET FORMATION NEWBURG ESTIMATED DEPTH 5584'
 WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT PAUL AMICK
 ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO Box 1273, Charleston, WV 25325-1273

MAY 0-2 2008

COUNTY NAME _____ PERMIT _____

FORM WV-9-AM REV 10-01

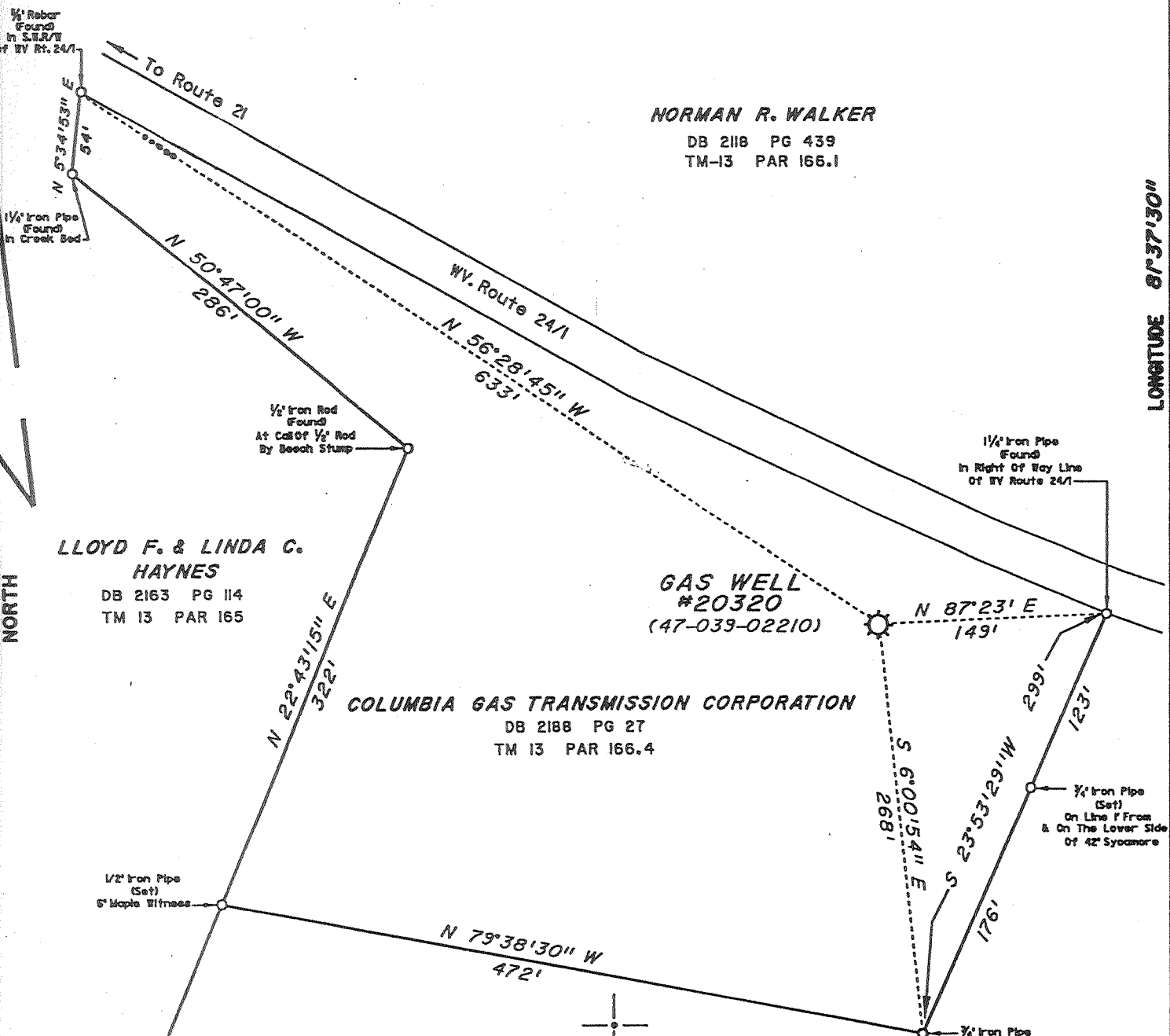
LATITUDE 38°30'00"

LONGITUDE 81°37'00"

14,100'

NORMAN R. WALKER

DB 2118 PG 439
TM-13 PAR 166.1



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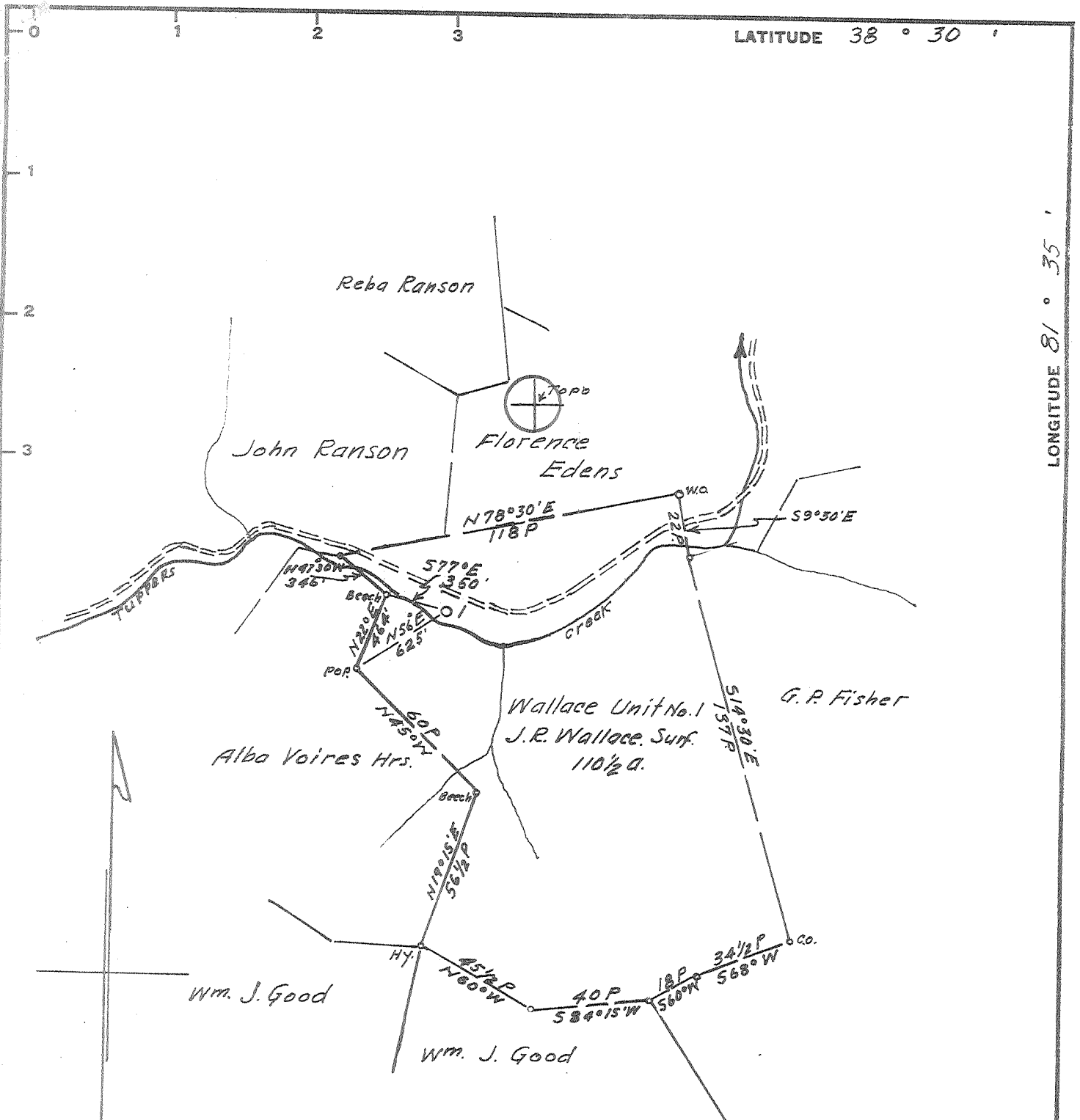
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 QUADRANGLE POCATALICO COORDINATES LAT: 38°27'41" LONG: 81°39'04"

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PLUG AND ABANDON X CLEAN OUT AND REPLUG _____
 TARGET FORMATION NEWBURG ESTIMATED DEPTH 5584'
 WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT PAUL AMICK
 ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO Box 1273, Charleston, WV 25325-1273

KANAWHA COUNTY NAME PERMIT 8210



LATITUDE 38° 30'

LONGITUDE 81° 35'

Minimum Error of Closure 1' in 200'

Source of Elevation U.S.G.S., BM, No. TT24, CBG, Located at Junction of Sec. Rd. 21/7 with U. S. Highway No. 21- Elev. 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..... *issued 2/11/75*

Signed: A.C. Hilbert

Map No. 92W Squares: N S 67 E W 59

Company	PENNZOIL COMPANY		
Address	P. O. Box 1588, Parkesburg, W. Va.		
Farm	Wallace Unit No. 1		
Tract	Acres	Lease No.	
	110 1/2	82357	
Well (Farm) No.	1	Serial No.	
Elevation (Spirit Level)	661.72 Gr.		
Quadrangle	Charleston	NC	
County	Kanawha	District	Union
Engineer	<u>A.C. Hilbert</u>		
Engineer's Registration No.	2534		
File No.	Drawing No.		
Date	Dec. 13, 1967	Scale	1" = 800'

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

WELL LOCATION MAP

FILE NO. KAN-2210-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.

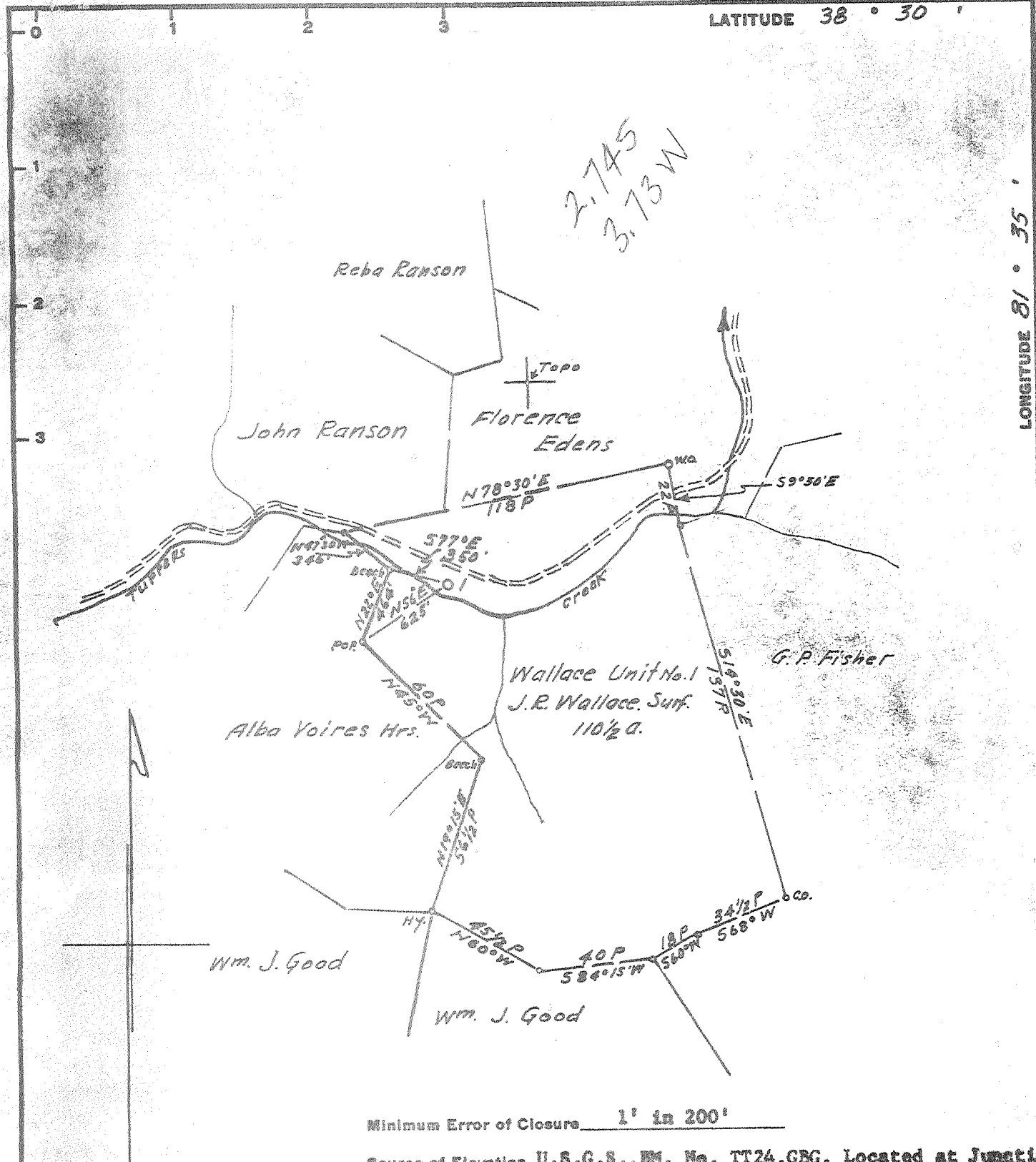
47039

Deep Well

JAN 10 1975

LATITUDE 38° 30'

LONGITUDE 81° 35'



Minimum Error of Closure 1' in 200'

Source of Elevation U.S.G.S., BM. No. TT24, GBC, Located at Junction of Sec. Rd. 21/7 with U. S. Highway No. 21 - Elev. 812.21

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

Signed: A.C. Hillbert

Map No. 92W Squares: N S 67 E W 59

Company	PENNZOIL COMPANY		
Address	P. O. Box 1588, Parkesburg, W. Va.		
Farm	Wallace Unit No. 1		
Tract	Acres	110 1/4	Lease No. 82357
Well (Farm) No.	1	Serial No.	
Elevation (Spirit Level)	661.72 Gr.		
Quadrangle	Charleston	NC	
County	Kenawha	District	Union
Engineer	<u>A.C. Hillbert</u>		
Engineer's Registration No.	2534		
File No.	Drawing No.		
Date	Dec. 13, 1967	Scale	1" = 800'

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

WELL LOCATION MAP

FILE NO. KAN-2210

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle CHARLESTON
Permit No. KAN-2210

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company PENNZOIL COMPANY
Address P. O. Box 1588, Parkersburg, West Va.
Farm Wallace Unit No. 1 Acres 110-1/2
Location (waters) _____
Well No. 1 Elev. 661.72 gr. 20" Conduit 15.66
District Union County Kanawha
The surface of tract is owned in fee by J. R. Wallace
Address Route 5, Box 413
Charleston, West Va.
Mineral rights are owned by J. R. Wallace
Address Route 5, Box 413
Charleston, West Va.
Drilling commenced March 21, 1968
Drilling completed April 14, 1968
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in 4" 1,678 Mcf. Inch
/10ths Merc. in _____ Inch
Volume Est. After Frac. 10 M.M.C.F. Cu. Ft.
Rock Pressure 2125# lbs. 24 hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
13-3/8"	241.25		Guide Shoe, Guide
8-5/8"	1745.15		Kind of Packer, Shoe, Float Collar, Guide
5-1/2"	5565.83		Shoe, Float Collar
2-3/8"	5574.54		Size of _____, 8-5/8", 5-1/2", 5-1/2"
			Depth set, 243.31
			1738.32, 1706.30
			5514.54, 5480.61
			Perf. top _____
			Perf. bottom _____
			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 13-3/8" SIZE 243.31 No. Ft. 3-27-68 Date
8-3/8" 1738.32 4-1-68
5-1/2" 5514.54 4-9-68
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

WELL FRACTURED 4-20-68 with 500 Gal. Acid X.E., 800# J111, 500# J84, 30 Gal. F-52, 50 sacks Calcium Chloride, 20,000# - 20-40 Frac. Sand. Fracted with 3 Jet turbines and 846 Bbls. of Water.
RESULT AFTER TREATMENT Gas: 10 MCF 10,000 MCF Newburg
ROCK PRESSURE AFTER TREATMENT 2125 #
Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil & Sand			0	30			
Sand (Hard)			30	75			
Red Rock			75	100			
Sand (hard)			100	113			
Red Rock			113	120			
Shale-Sand-R.R.			120	860			
Sandy Lime			860	950			
Salt Sand			950	1158			
Shale			1158	1183			
Salt Sand			1183	1444			
ittle Lime			1444	1486	Water	1190	
Big Lime			1486	1650			
Injun Sand			1650	1703			
Sand & Shale			1703	1750			
Shale			1750	2115			
Lime			2115	2123			
Sand & Shale			2123	2218			
Shale			2218	4688			
Corn. Lime			4688	4788			
Driskany			4788	4820			
Lime & Dolo.			4820	5557			
Newburg			5557	5574			
Lime & Dolo. (McKenzie)			5574	5584			
Total Depth				5584			

(over)

MAY 13 1968