

NOTES:  
 This Map Is For  
 Well Location Only &  
 Does not Represent  
 A Complete Property Survey.  
 No Houses Or Water Wells Within 200'.

GAS WELL  
 #7338  
 (47-35-911)

LATITUDE 38°55'00"

7400'

LONGITUDE 81°40'00"

14,450'

GEORGE SMITH, JR.  
 TM-33 PAR II

8" Pine In  
 Fence  
 Corner

N 65°05' E  
 430'

1" Iron Pipe  
 (Found)

COLUMBIA GAS  
 TRANSMISSION  
 CORPORATION  
 TM-34 PAR 14

GAS WELL  
 #7304

S 82°47' E  
 2010.01'

N 48°30' W  
 1648'

N 61°08' E  
 1911'

N 41°50' E  
 1132.11'

N 58°01' E  
 1864'

GAS WELL  
 #7316  
 (47-35-512)

BERNARD & HAZEL  
 OFFUT  
 TM-34 PAR 31

TM-34  
 PAR 23

6" PIPE  
 GATE POST

THELMA I.  
 BONTO  
 TM-34 PAR 15

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS (7 1/2")

FB 2670 PG 8

FILE NO. \_\_\_\_\_  
 DRAWING NO. 7304  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF  
 ACCURACY 1/200'  
 PROVEN SOURCE OF  
 ELEVATION USGS BM "R 103  
1956" ELEV. 612.24

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 REGU-  
 LATIONS ISSUED AND PRESCRIBED BY THE DEPART-  
 MENT OF ENERGY.

(SIGNED) \_\_\_\_\_  
 R.P.E. \_\_\_\_\_ L.L.S. 798

PLACE SEAL HERE

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



DATE January 08, 2002  
 OPERATOR'S WELL NO. 7304  
 API WELL NO.

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS," ) PRODUCTION \_\_\_ STORAGE X DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 618 WATER SHED Mud Run Of Sandy Creek  
 DISTRICT Ravenswood COUNTY Jackson  
 QUADRANGLE Sandyville COORDINATES LAT: 38°52'38" LONG: 81°41'34"  
 SURFACE OWNER Columbia Gas Transmission ACREAGE 65.44  
 ORIGINAL OIL & GAS ROYALTY OWNER Inez Spears Anderson, Et Al. LEASE ACREAGE 93  
 COAL OWNER \_\_\_\_\_ LEASE NO. 1052239

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

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT Paul Amick JUN 07 2002  
 ADDRESS PO Box 1273, Charleston, WV ADDRESS PO Box 1273, Charleston, WV  
25325-1273 25325-1273

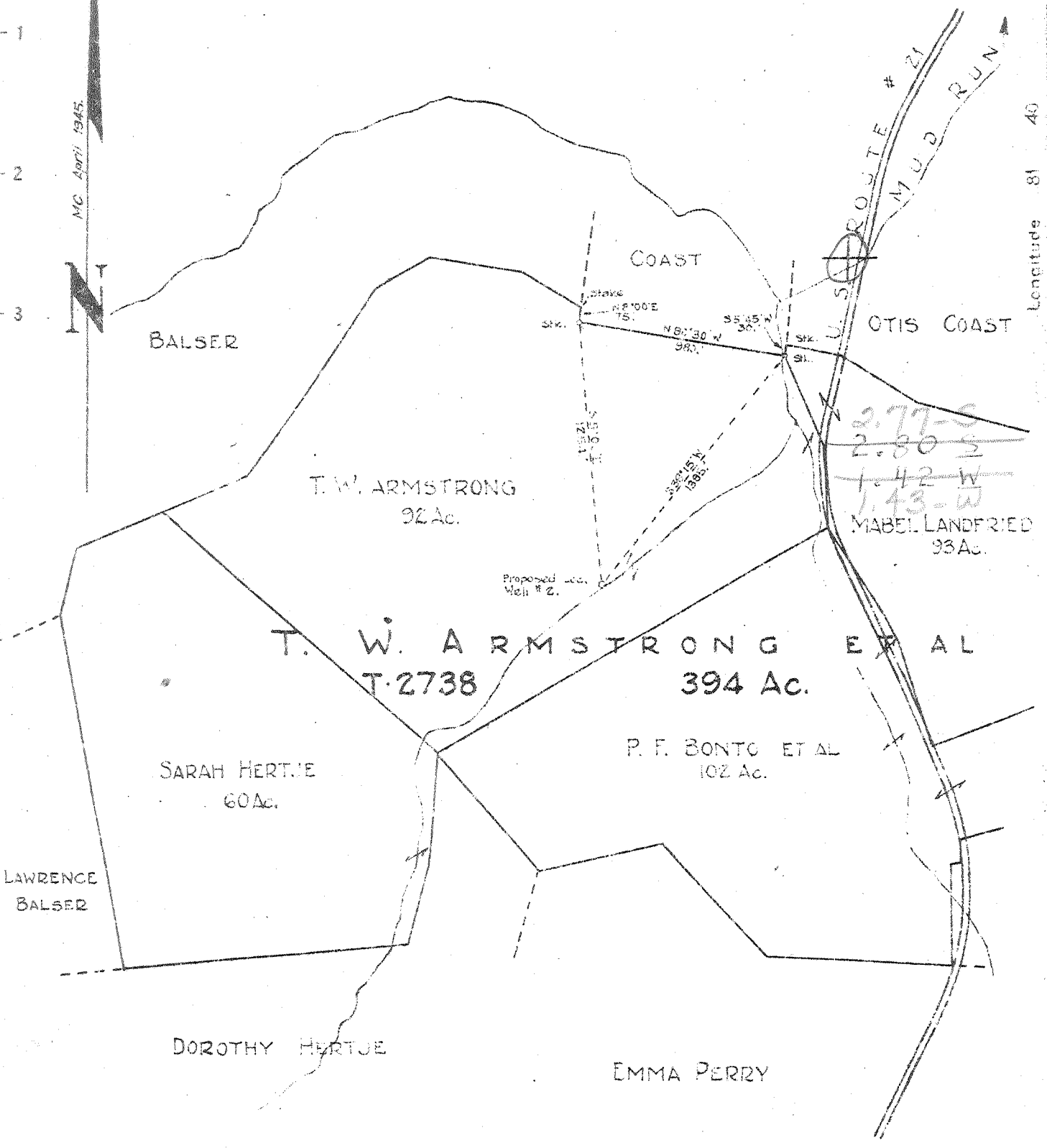
JACKSON COUNTY NAME  
 PERMIT 00489 F

DEEP WELL 9-0 (192)

Latitude 38 55  
 38 55

Longitude 81 40

MC April 1945.



New Location  Revised  
 Drill Deeper .....  
 Abandonment .....

Company	COLUMBIAN CARBON Co.
Address	Box 873, CHARLESTON 23, W. VA.
Farm	T. W. ARMSTRONG ET AL
Tract	Acres 394 Lease No. T-2738
Well (Farm) No.	2 Serial No. GW-798
Elevation (Spirit Level)	620.3
Quadrangle	RIPLY - NW. 4, S. 279, W. 143 WC
County	JACKSON District RAVENSWOOD
Engineer	<i>John A. Holman</i>
Engineer's Registration No.	1341
File No.	Drawing No. 320
Date	Apr. 25, 1945 Scale 1"=600'

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

WELL LOCATION MAP  
 FILE NO. JAC-489

+ 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.

5-5-192 Deep Well

WEST VIRGINIA DEPARTMENT OF MINES  
OIL & GAS DIVISION  
W E L L R E C O R D

Permit No. Jac 489  
Ripley Quad.

Gas Well  
CASING & TUBING

Company	Columbian Carbon Company			
Address	Box 873, Charleston 23, W.Va.	16	35	35
Farm	T.W. Armstrong et al Acres 394	48#	13 3/8	528'9 Pld.
Location	Mud Run of Sandy Creek	10 1/2	40#	1303'3 Pld.
Well No.	2 GW 798 Elev. 623.8 DF	8 1/2	24#	1950'7 Pld.
District	Ravenswood Jackson County	7	22#	4734'4 Same
Surface	Juanita Spears, Rt. #3, Sandyville, W.Va.	2 3/8	4841'8	4# "
Mineral	T.W. Armstrong et al ( for further addresses contact C.C. C. )			
Commenced	5-12-45			PACKER
Completed	8-6-45			Midget Htm. Hole
Not shot				Size 7"
Volume	10,560,000 C.F.			Depth 4702' SLM
Rock Pressure	1820 lbs. 84 hrs.			No coal
Fresh Water	205' 1-16" blr.; 465' 3-16" blrs.			
Salt Water	695' 1-13" blr. 1220' 5-13" blr. 1285' H.F. ; 1520' H.F.			

Top soil	0	5	Lime	1754	1770
Blue Stone	5	15	Sand	1770	1783
Gravel	15	25	Slate	1783	1785
Sand	25	32	Sand - <i>Injun or Hair?</i>	1785	1928
Red Rock	32	42	Slate	1928	1946 SLM
Blue Slate	42	51	1930' DLM--1946' SLM		
Red Rock	51	83	Black Lime	SLM 1946	1954
Lime	83	90	Slate & Shells	1954	2160
Sand	90	117	Hard Lime - <i>Berea?</i>	2160	2170 - ?
White Slate	117	123	Slate	2170	2275
Red Rock	123	140	Shale	2275	2309
Blue Slate	140	145	Slate & Shells	2309	3460
Red Rock	145	165	Brown Shale - 441	3460	3556
Sand	165	215	White Slate	3556	3725
Blue Slate	215	247	Brown Shale	3725	4010
Red Rock	247	263	Slate	4010	4456
Blue Slate	263	312	Brown Shale	4456	4687 SLM
Sand	312	320	4675' DLM--4687 SLM		
Red Rock	320	340	Corniferous Lime - 463 SLM	4687	4797 SLM
Blue Slate	340	352	Criskany Sand	SLM 4797	4803
Red Rock	352	420	Total Depth	475	4803
Sand - <i>1 1/2" Pitt. Sand?</i>	420	495			
Black Slate	495	508	Gas 2300' show		
White Slate	508	531	Gas Pays: 4304' show		
Lime Shell	531	543	4306' 2/10 W 2" 60 MCF		
White Slate	543	565	4308' 44/10 M 7" 22# 10,560 MCF		
Sand	565	630			
Blue Mud	630	686	CEMENT RECORD:		
Sand	686	700	5-22-45 1 3/8" casing. Ran		
Slate	700	715	12 bags Aquagel and 50# Fibrotex. Cir-		
Red Rock	715	743	ulation 175'. Returns 430'.		
Slate	743	825	6-1-45 10 1/2" casing. Ran		
Red Rock	825	835	22 bags Aquagel and 50# Fibrotex. Cir-		
Slate & Shells	835	1094	ulation while mixing. Returns at 1050'.		
Sand	1094	1110	6-20-45 8 5/8" casing. Ran		
Black Slate	1110	1210	24 sacks Aquagel and 50# Fibrotex.		
Sand	1210	1255	Circulation while mixing. Returns 1660'.		
Black Slate	1255	1269	7-24-45 7" casing. Ran		
Sand	1269	1303	50 sacks Aquagel and 3 bales Fibrotex.		
Slate	1303	1313	Circulation and returns at 3175'.		
Sand	1313	1427	Delbert Lawson, Cementer, C.C. Crew.		
Slate	1427	1461			
Lime	1461	1475			
Slate	1475	1490			
Sand - <i>Salt Sand</i>	1490	1620			
Lime	1620	1640			
Slate	1640	1642			
Big Lime	1642	1722			
Sand	1722	1746			
Slate	1746	1748			
Sand	1748	1754			

*Mc*

WR-35

DATE: 11-07-02  
API #: 47-035-00489

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: Columbia Gas Transmission Operator Well No.: Ripley # 7304

LOCATION: Elevation: 618' Quadrangle: Sandyville, WV.

District: Ravenswood County: Jackson  
Latitude: Feet South of 38 Deg. 52 Min. 33 Sec.  
Longitude: Feet West of 81 Deg. 41 Min. 34 Sec.

Company: Columbia Gas Transmission

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>RR 2 BOX 138</u>				
<u>Sandyville, WV 25275</u>				
Agent: <u>Paul Amick</u>				
Inspector: <u>Larry Parrish</u>				
Date Permit Issued: <u>6-04-02</u>				
Date Well Work Commenced: <u>6-28-02</u>				
Date Well Work Completed: <u>8-05-02</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet):				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)?				
Coal Depths (ft.):				

OPEN FLOW DATA

Producing formation Oriskany Sand Pay zone depth (ft) 4797' to 4803'

Gas: Initial open flow \* MCF/d Oil: Initial open flow \* Bbl/d

Final open flow \* MCF/d Final open flow \* Bbl/d

Time of open flow between initial and final tests \* Hours

Static rock Pressure \* psig (surface pressure) after \* Hours

\* Gas Storage - Does not apply

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: John V. McCallister

By: \_\_\_\_\_

Date: 11-07-02

FEB 27 2003

JAC 0489

Installed New API 5M Wellhead

\* Did not stimulate Oriskany Sandstone