

2400'

LATITUDE 38° 52' 30"

*Jamie*  
6/22/92

NORTH

0039  
03° 24' 18" EQUINOX

LAT. 38° 51' 24"  
LONG. 81° 43' 01"  
F.B. 2574  
PG. 55-58

J. M. HALL, ET. AL.  
OIL & GAS ROYALTY  
OWNER

FLOYD PUCKETT  
SURFACE  
DB-260 PG. 63  
TM-7 PAR. 19

JOHN & CAROL  
LONG  
TM-7 PAR. 19

BARN  
MAPLE  
BARN  
HOUSE  
IRON PIPE

NORMA & ESTEL SMITH  
SURVEY  
DB-118 PG. 415  
TM-7 PAR. 20

WELL 7290  
ELEV. 740.55

RUSSELL E. SMITH, ET. UX.  
DB-217 PG. 76  
TM-7 PAR. 20.2

VERNON L. SMITH  
DB-217 PG. 72  
TM-7 PAR. 20.1

PEAKE ENERGY  
WELL 2112

NOTE: THIS MAP IS FOR WELL LOCATION  
PURPOSES ONLY & DOES NOT REPRESENT  
A COMPLETE BOUNDARY SURVEY.

JOHN & SANDRA GUNTHER  
DB-246 PG. 287  
TM-7 PAR. 22

S/A 107-03274-W2140-4442

4-14  
270

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 400'  
MINIMUM DEGREE OF  
ACCURACY 1/200  
PROVEN SOURCE OF  
ELEVATION U.S.G.S. BM DISK SET IN  
TOP N.E. END OF S.E. HEADWALL N.W.  
SIDE RT. 21 STAMPED U-103 ELEV. 609.198

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) *[Signature]*  
R.P.E. 9936 L.L.S. 798

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION  
LICENSED SURVEYOR  
NO. 798  
PLACE SEAL HERE

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



DATE APRIL 16, 1992  
OPERATOR'S WELL NO. 7290  
API WELL NO.

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION \_\_\_ STORAGE X DEEP \_\_\_ SHALLOW \_\_\_  
STATE COUNTY PERMIT

LOCATION: ELEVATION 740.55 WATERSHED LEFT FORK SYCAMORE CREEK  
DISTRICT RIPLEY 3 COUNTY JACKSON  
QUADRANGLE RIPLEY 415 WC

SURFACE OWNER FLOYD PUCKETT ACREAGE 113 Ac.  
OIL & GAS ROYALTY OWNER J. M. HALL, ET. AL. LEASE ACREAGE 102 Ac.  
LEASE NO. 42655

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

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_

WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP. DESIGNATED AGENT ROBERT C. WEIDNER  
ADDRESS P.O. BOX 1273 CHARLESTON, WV 25325 ADDRESS P.O. BOX 1273 CHARLESTON, WV 25325

JUN 26 1992

125

JACKSON COUNTY NAME PERMIT 541

FORM WW-6 HALLS INC. 068065

Lat 28° 55'

P

E F DUCKETT

4.08-S

J. M. HALL  
Coal not operated

4.08-S

~~4.13-S~~

~~2.70-W~~

2.68-W

2.68-W

Sik. top of cliff

579°W  
257'

567°14'W  
680'

5832

N50°44'E  
872'

55°30'W  
1080'

N73°30'W  
1180'

N73°45'W  
1330'

Sassafras

FRANK WALTERS

White Walnut  
by drain

WM BOURGEOIS

GEORGE JORDAN

Fence Cor.  
by drain

1045 old  
6.14.17

NEW LOCATION X

COMPANY UNITED FUEL GAS CO.  
 ADDRESS CHARLESTON, W. VA.  
 FARM J. M. HALL  
 TRACT ACRES 162 LEASE NO. 42655  
 WELL(FARM) NO. SERIAL NO. 5832  
 ELEVATION S.L. 748.53'  
 CUADRANGLE RIPLEY WC.  
 COUNTY JACKSON DISTRICT RIPLEY  
 ENGINEER G. H. MOORE  
 ENGINEER'S REG. NO. 662  
 FILE NO. 56-93 DRAWING NO.  
 DATE OCT. 28, 1946 SCALE 1"=400'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 WELL LOCATION MAP  
 FILE NO. JAC - 541

+ DENOTES LOCATION OF WELL ON U.S. 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.

60-192 Deep Well

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

Permit No. Jac 541  
Ripley Quad.  
Company  
Address  
Farm  
Location  
Well No.  
District  
Surface  
Mineral  
Commenced  
Completed  
Date shot  
Rock Pressure  
Fresh Water  
Salt Water

United Fuel Gas Co.  
P.O. Box 1273, Charleston 25, W. Va.  
J.M. Hall Acres 162  
Sysamore Creek  
5832 Elev. 748.53  
Ripley Jackson County  
  
J.M. Hall et al, Ravenswood, W. Va.  
1-9-47  
4-19-47  
4-21-47 Depth 4845 to 4875  
with 200# El. 409 and 33 1/3 # Gel.  
1090 lbs. 16 hrs.  
225' H.F.  
1715' H.F.

Gas Well CASING & TUBING			
13 3/8	609	609	
10 1/2	1074	1074	
8 5/8	2078	2078	
7	4754	4754	
2 tub.	4875	4875	

Yellow stone	0	10	Lime	1960	2000
Red Rock	10	25	✓ Sand - <i>W&amp;R</i>	2000	2075
Blue Rock	25	35	Slate	2075	2085
Red Rock	35	50	Lime Shells	2085	2380
Blue Lime Stone	50	100	✓ Coffee Shale	2380	2395
Red Rock	100	110	✓ Berea Shells	2395	2405
Blue Lime	110	125	Slate & Shells	2405	2510
Blue Slate	125	140	Lime Shells	2510	2525
Red Rock	140	150	Slate & Shells	2525	3020
Slate & Shells	150	213	Lime Shells	3020	3040
White Sand	213	230	White Slate	3040	3250
Blue Mud	230	240	Slate & Shells	3250	3450
Gray Rock	240	250	Dark Lime	3450	3880
Red Rock	250	270	Brown Shale	3880	4150
Lime Rock	270	340	Big White Slate	4150	4500
Blue Slate	340	425	Brown Shale	4500	4742
Red Rock	425	455	✓ Corniferous Lime - <i>463</i>	4742	4845
Blue Slate	455	485	✓ Oriskany	4845	4863
Red Rock	485	520	✓ Lime	4863	4866
Gray Lime	520	545	Sand <i>bed</i>	4866	4875
White Slate	545	555	Total Depth		4875
✓ Pittsburgh Sand	555	585			
White Slate	585	597	Gas 2020-2030 show		
Lime Shells	597	600	Gas 2395-2405 Berea		
White Slate	600	725	Gas 4848-4856 Oriskany		
Red Rock	725	750	Gas 4860-4863 Oriskany		
Lime Shells	750	755			
Red Rock	755	780			
White Slate	780	807			
Red Rock	807	845			
Lime	845	875			
White Slate	875	920			
Red Rock	920	940			
Limestone	940	980			
Pink Rock	980	1005			
Limestone	1005	1010			
White Slate	1010	1040			
Black Slate	1040	1065			
Lime Shells	1065	1080			
Broken Lime	1080	1115			
Slate	1115	1200			
White Sand	1200	1230			
White Slate	1230	1290			
White Sand	1290	1310			
Black Slate	1310	1330			
White Sand	1330	1370			
Black Slate	1370	1380			
Gray Lime	1380	1405			
White Slate	1405	1570			
Black Slate	1570	1660			
✓ Salt Sand	1660	1762			
✓ Big Lime	1762	1900			
✓ Injun Sand	1900	1960			

485

035-541W

FORM WW-2B

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

Page 1 of 1  
Issued 6/24/92  
Expires 6/24/94

- 1) Well Operator: COLUMBIA GAS TRANSMISSION CORPORATION 10450 (3) 577
- 2) Operator's Well Number: Well No. 7290, Ripley Storage 3) Elevation: 740.55'
- 4) Well type: (a) Oil  / or Gas  /  
(b) If Gas: Production  / Underground Storage  /  
Deep  / Shallow  /
- 5) Proposed Target Formation(s): Oriskany Sand
- 6) Proposed Total Depth: 4972' feet
- 7) Approximate fresh water strata depths: 585'
- 8) Approximate salt water depths: 1200'
- 9) Approximate coal seam depths: unknown
- 10) Does land contain coal seams tributary to active mine? Yes  / No  /
- 11) Proposed Well Work: A) Pull and partially replace the 4-1/2" tubing - Replace top joint of 7" and 8-5/8" casing. B) Perforate and squeeze the 7" and 8-5/8" casing. C) Install 3000 psi API flanged wellhead assembly.
- 12)

**RECEIVED**  
 Office of Oil & Gas  
 Permitting  
 JUN 24 1992  
 WV Division of  
 Environmental Protection

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water	13-3/8"		54	609'	609'	--
Coal	10-3/4"		32.75	1074'	1074'	--
Intermediate	8-5/8"		28	2078'	2078'	--
Production	7"		22	4754'	4754'	135 sacks
Tubing	4-1/2"		12.6	4925'	4925'	345 sacks
Liners						

PACKERS : Kind Wall and Anchor Packer

Sizes 4"x7"

Depths set 4926'

173385

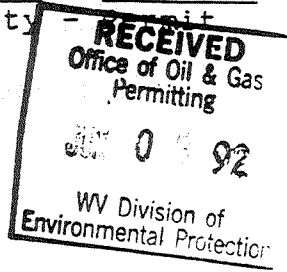
23

For Division of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Clampett  Agent  
 (Type)

1) Date: April 1, 1992  
2) Operator's well number  
Well 7290, Ripley Storage  
3) API Well No: 47 - 035 - 00541 - Renew  
State - County \_\_\_\_\_

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
NOTICE AND APPLICATION FOR A WELL WORK PERMIT



4) Surface Owner(s) to be served:  
(a) Name Floyd W. Puckett  
Address Rt. 1, Box 284  
Ripley, WV 25271  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

5) (a) Coal Operator:  
Name none  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name none  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector Glen P. Robinson  
Address Box 1  
Belleville, WV 26133  
Telephone (304) - 863-8766  
(304) - 367-1832

(c) Coal Lessee with Declaration  
Name none  
Address \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
 Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

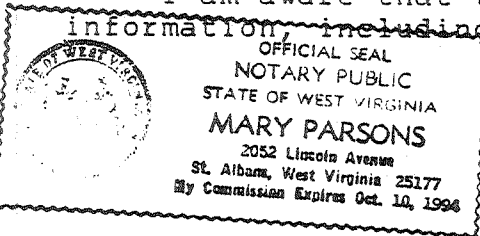
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_ on the above named parties, by:

- \_\_\_\_ Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- \_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator COLUMBIA GAS TRANSMISSION CORP.  
By: [Signature]  
Its: Director, Drilling & Maintenance  
Address P. O. Box 1273  
Charleston, WV 25325-1273  
Telephone (304) 357-2459



Subscribed and sworn before me this 27th day of May, 1992

Mary Parsons Notary Public  
My commission expires October 10, 1994

RECEIVED

OFFICE OF OIL AND GAS

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

API # 47-35-00544

SEP 04 1994

Well Operator's Report of Well Work

WV Division of Environmental Protection

PROCKETT FLOYD

Operator Well No.: 7290

LOCATION: Elevation: 740.55 Quadrangle: RIPLEY

District: RIPLEY County: JACKSON  
Latitude: 6600 Feet South of 38 Deg. 52Min. 30 Sec.  
Longitude: 2400 Feet West of 81 Deg. 42 Min. 30 Sec.

Company: COLUMBIA GAS TRANSMISSION  
1700 MacCORKLE AVENUE S.E.  
CHARLESTON, WV 25314-0000

Agent: ROBERT C. WEIDNER

Inspector: GLEN P. ROBINSON  
Permit Issued: 06/24/92  
Well work Commenced: 7/2/92  
Well work Completed: 7/5/93  
Verbal Plugging  
Permission granted on:  
Rotary  Cable Rig  
Total Depth (feet) 4868  
Fresh water depths (ft) 585'

Salt water depths (ft) 1200'

Is coal being mined in area (Y/N)?  
Coal Depths (ft): Unknown

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13-3/8"	609'	609'	—
10-3/4"	1074'	1074'	—
8-5/8"	2078'	2078'	—
7"	4754'	4754'	135 sacks
4 1/2"	4925'	4925'	345 sacks

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth (ft) 4866'-4875'  
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

N/A 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

- Over -

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.

For: COLUMBIA GAS TRANSMISSION CORP.

By: Richard L. Coty  
Date: 9/23/94

# Details of Perforated Intervals, Fracturing or Stimulating, Physical Change, Etc.

- 1.) Pulled and replaced 1 jt of 4 1/2" tubing - w/ new 4 1/2" tubg - 12.6 #/ft
- 2.) Cut 7" csg and welded on bell nipple -
- 3.) Perforated 4 1/2" tubing w/ 6 shots/ft. from 4834' to 4854' -
- 4.) Spotted 500 gal. of 20% HCl acid with additives around the perfs from 4834'-4854' - Pumped 34 bbl gelled water with 27,000 SCF/BBL Nitrogen, Pumped 17 bbl energized 20% HCl acid w/ 700 SCF/BBL Nitrogen, Pumped 2.5 bbl straight 20% HCl Acid - Formation would not break down and accept fluid -

4834'	4834'	4 1/2"
4834'	4834'	4 1/2"
4834'	4834'	4 1/2"
4834'	4834'	4 1/2"
4834'	4834'	4 1/2"
4834'	4834'	4 1/2"

4834'	4834'	4 1/2"
4834'	4834'	4 1/2"
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4834'	4834'	4 1/2"
4834'	4834'	4 1/2"
4834'	4834'	4 1/2"