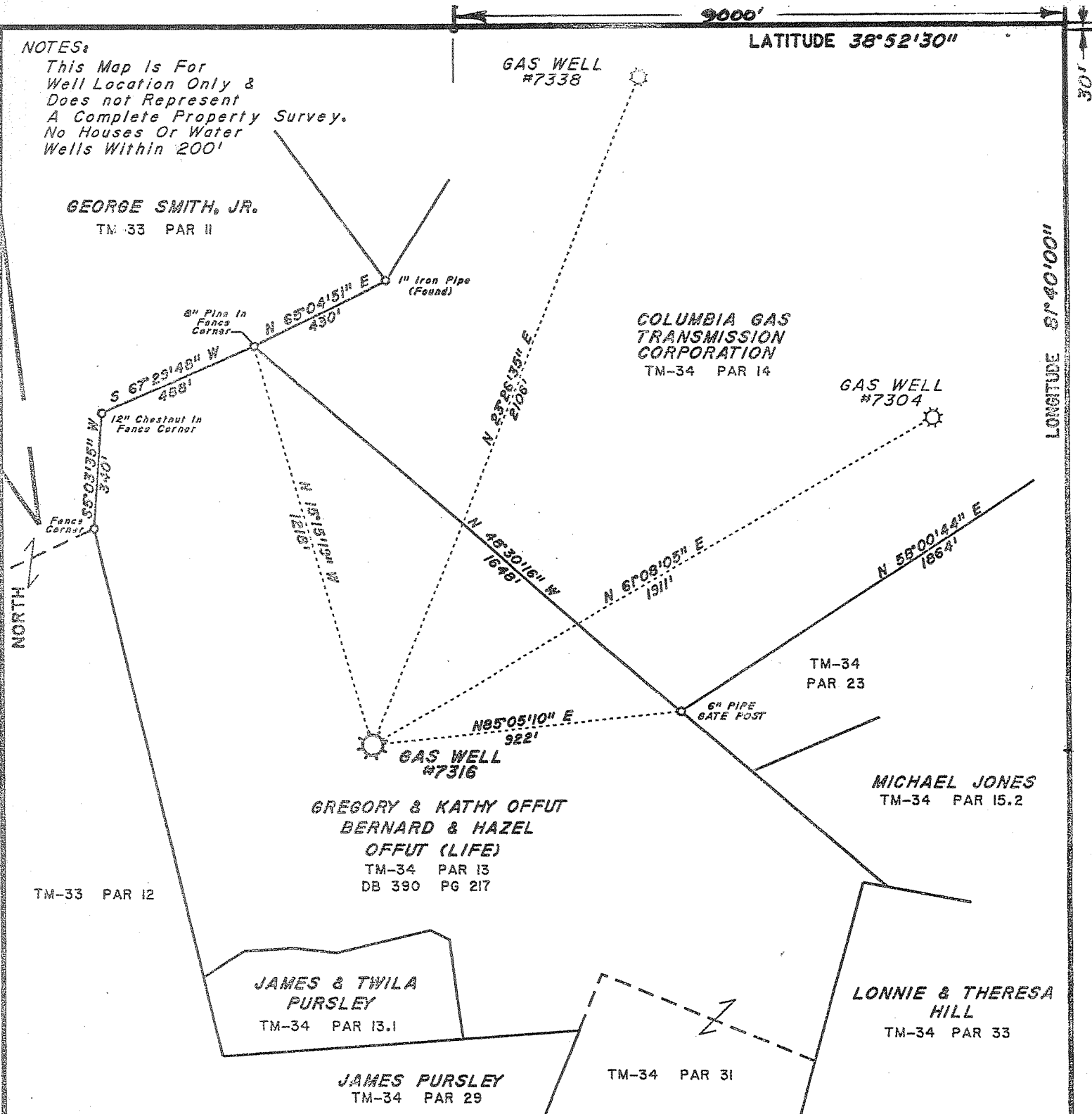


NOTES:

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

LATITUDE 38°52'30"

LONGITUDE 81°40'00"



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

FILE NO. _____
 DRAWING NO. 7316
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION EXISTING WELL PAD

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) _____
 R.P.E. _____ L.L.S. 798



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



DATE MARCH 31, 2008
 OPERATOR'S WELL NO. 7316
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ STATE 47 COUNTY 035 PERMIT 00521 F

LOCATION: ELEVATION 737' WATER SHED Mud Run Of Sandy Creek

DISTRICT Ravenswood COUNTY Jackson
 QUADRANGLE Ripley COORDINATES LAT: 38°52'28" LONG: 81°41'54"

SURFACE OWNER Bernard & Hazel Offutt (LIFE) Gregory & Kathy Offutt ACREAGE 65.44

OIL & GAS ROYALTY OWNER Bernard & Hazel Offutt LEASE ACREAGE 60

COAL OWNER Bernard & Hazel Offutt LEASE NO. 1052275

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

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Oriskany ESTIMATED DEPTH 4930'

WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT Paul Amleh

ADDRESS PO Box 1273, Charleston, WV 25305-1273 ADDRESS PO Box 1273, Charleston, WV 25305-1273

JACKSON COUNTY NAME PERMIT 00521 F

OCT 3 2008

NOTES:

This Map is For Well Location Only & Does not Represent A Complete Property Survey.

3000'

LATITUDE 38°52'30"

GEORGE SMITH, JR.
TM-33 PAR II

GAS WELL #7338

COLUMBIA GAS TRANSMISSION CORPORATION
TM-34 PAR 14

GAS WELL #7304

GAS WELL #7316

BERNARD & HAZEL OFFUTT
TM-34 PAR 31

TM-34 PAR 23

THELMA I. BONTO
TM-34 PAR 15

CHARLES & ALTA MASEK
TM-34 PAR 33

JAMES PURSLEY
TM-34 PAR 29

TM-34 PAR 31

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

FILE NO. _____
DRAWING NO. 7316
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1/200'
PROVEN SOURCE OF ELEVATION EXISTING WELL PAD

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. 499



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



DATE February 10, 1998
OPERATOR'S WELL NO. 7316
API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 737' WATER SHED Mud Run Of Sandy Creek

DISTRICT Ravenswood COUNTY Jackson
QUADRANGLE Ripley COORDINATES LAT: 38°52'28" LONG: 81°41'54"

SURFACE OWNER Bernard & Hazel Offutt ACREAGE 65.44
OIL & GAS ROYALTY OWNER Bernard & Hazel Offutt LEASE ACREAGE 60
COAL OWNER Bernard & Hazel Offutt LEASE NO. 1052275

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

PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION Orioleay ESTIMATED DEPTH 4930
WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT
ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO Box 1273, Charleston, WV

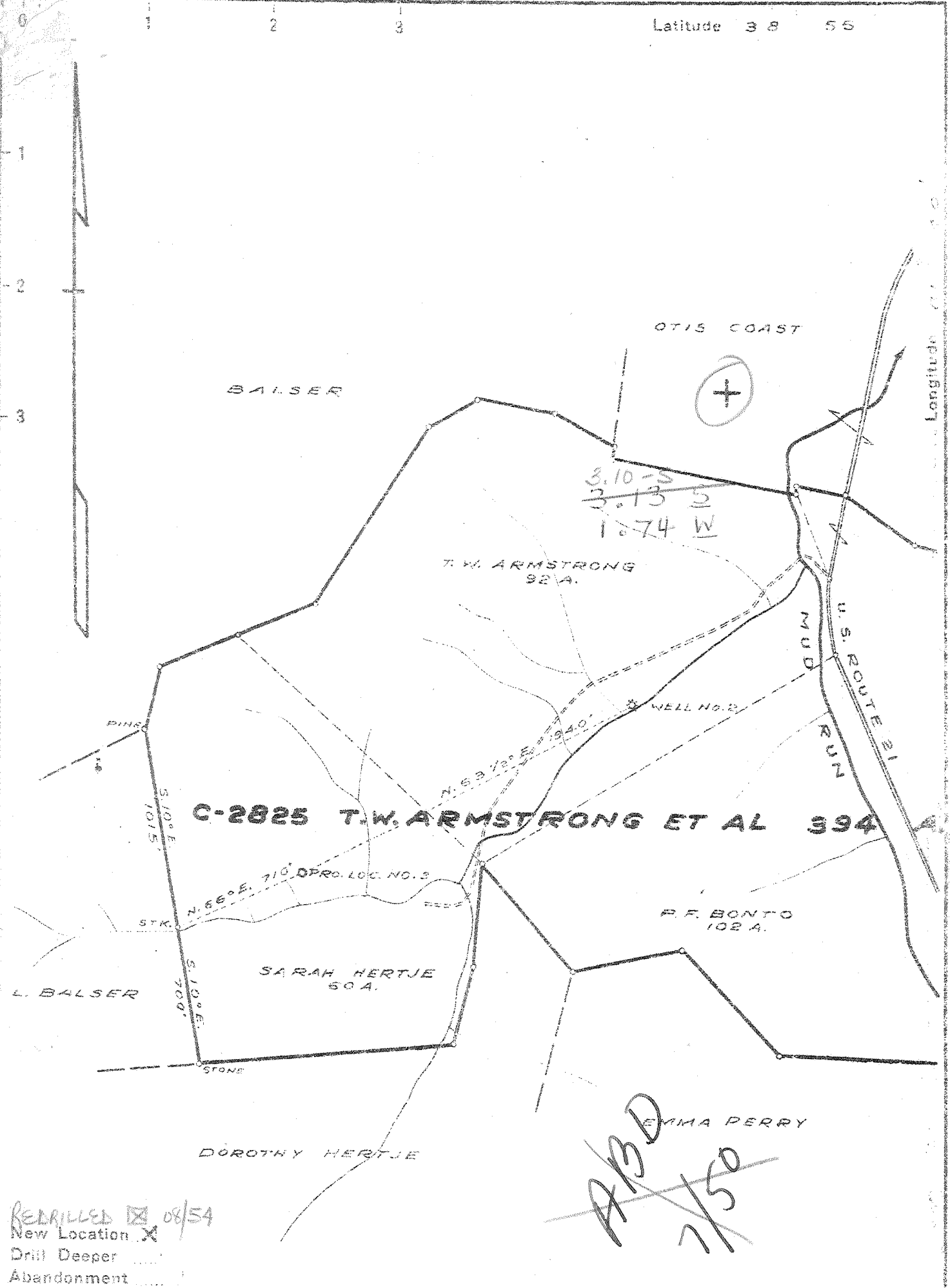
APR 21 1998

DEEP WELL 9-0 (192)

LONGITUDE 81°40'100"

JACKSON COUNTY NAME PERMIT 00521

FORM WV-9



REDRILLED 08/54
 New Location
 Drill Deeper
 Abandonment

Company COLUMBIAN CARBON CO.
 Address CHARLESTON W. VA.
 Farm T. W. ARMSTRONG ET AL
 Tract _____ Acres 3.94 Lease No. C-2825
 Well (Farm) No. 3 Serial No. _____
 Elevation (Spirit Level) 786.9
 Quadrangle RIPLEY-WV 298-175
 County JACKSON District RAYENSWOOD
 Engineer J. M. Sell
 Engineer's Registration No. 772
 File No. _____ Drawing No. 369
 Date APRIL 1, 1946 Scale 1" = 660'

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

WELL LOCATION MAP
 FILE NO. JAC-521-W

✦ 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.

Swasey **Deep Well** ✓

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

Permit No. Jac 521

Gas Well
CASING & TUBING

Ripley Quad.
Company
Address
Farm
Location
Well No.
District
Surface
Mineral

Columbian Carbon Company
Box 873, Charleston 23, W.Va.
T.W. Armstrong et al Acres 394
Mud Run
3-GW-909 Elev. 739. DF
Ravenswood Jackson County
Sarah Hertje, Sandyville, W. Va.
T.W. Armstrong et al (for further
addresses contact C.C.C.)

16	65#	30'9	Same
13	3/8 48#	642'1	pld
10 $\frac{1}{2}$	40#	1233'1	pld.
8 $\frac{1}{2}$	24#	2079'9	pld.
7	22#	4835'9	same
2	3/8 4#	4945'11	same
No liners			

Commenced
Completed
Not shot
Open flow
Volume
Rock Pressure
Fresh Water
Salt Water

5-29-46
8-29-46

6/10ths M in 7" 22#
3,901,000 C.F.
975 lbs. 4 days
320' 6-13" blr.
1337' H.F.

PACKER
Midget Bottom Hole
7"
depth 4802' SLM
Coal at 1350' 36"

Top soil	0	10	PAYS: 4899-4909' 8/10 M 7" 22#, 4,500,000CF
Sand	10	20	
Red Rock	20	55	CEMENT RECORD:
Soapstone	55	101	6-1-46 13 3/8" casing. Ran 16 bags
Slate	101	131	Aquagel and 50# Fibertex. Started to circu-
Red Rock	131	287	late while mixing, then lost circulation.
Sand	287	360	
Red Rock	360	550	6-12-46 10 $\frac{1}{2}$ " casing. Ran 23 bags Aquagel
Sand	550	608	and 50# Fibertex. No circulation or
Slate	608	627	returns.
Lime	627	635	
Sand	635	642	
Blue Slate	642	651	7-5-46 8 5/8" casing. Ran 24 bags Aquagel
Lime Shell	651 SLM	652	and 50# Fibertex. Circulation while
Slate & Shells	652	680	mixing-returns at 1750'.
Sand	680	734	
Slate & Shells	734	770	8-12-46 7" casing. Ran 70 sacks Aquagel
Red Rock	770	795	and 3 bales Fibertex. Ran aquagel thru
Slate & Shells	795	805	tubing.
Sand	805	825	
Red Rock	825	880	650' DLM-651' SLM
Lime	880	900	
Slate & Shells	900	1249	
Lime	1249	1253	
Slate	1253	1265	
Sand	1265	1280	
Slate	1280	1331	
Sand	1331	1350	
Coal	1350	1353	
Sand	1353	1411	
Lime	1411	1465	
Slate & Shells	1465	1490	
Sand	1490	1550	
Lime	1550	1567	
Slate & Shells	1567	1655	
Sand	1655	1756	
-Little Lime	1756	1767	
-Big Lime	1767	1840	
Sand	1840	1870	
Lime	1870	1900	
Slate & Shells	1900	1922	
-Big Injun Sand	1922	2061	
Lime	2061	2081	
Slate & Shells	2081	2136	
Lime	2136	2170	
Slate & Shells	2170	2390	
-Shale - Coffee Sh.	2390	2412	
-Berea Grit	2412	2430	
Slate & Shells	2430	4583	Gas 2417' show
Brown Shale	4583	4790	SLM
-Corniferous Lime - 463	4790 SLM	4897	SLM
-Oriskany Sand	4897 SLM	4930	4792' DLM-4790' SLM
TOTAL DEPTH	SLM	4930	4901' DLM-4897' SLM

4790	4897
739	739
<hr/>	
4051	4158

475



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 12

WELL RECORD

Quadrangle Ripley

Permit No. Jac.-521-R

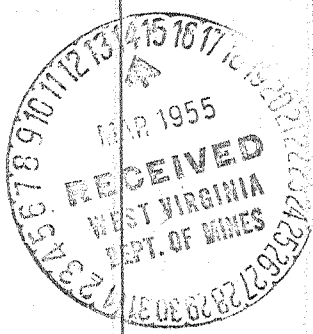
Oil or Gas Well Storage
(KIND)

Company United Fuel Gas
Address Box 1273, Charleston, W. Va.
Farm Sarah Hertje Acres 60
Location (waters) Mud Run of Sandy Creek
Well No. X-59-7316 Elev. 736.9
District Ravenswood County Jackson
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Sarah Hertje
Address Sandyville, W. Va.
Drilling commenced 7-29-54
Drilling completed 8-9-54
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.
Fresh water 320 feet _____ feet
Salt water 1337' feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 1/2			
6 3/4			Depth set
5 3/16			
4 1/2	<u>4841'</u>	<u>4841'</u>	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 1350 FEET 36 INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Soil			0	10			
Sand			10	20			
Red Rock			20	55			
Soapstone			55	101			
Slate			101	131			
Red Rock			131	287			
Sand			287	360			
Red Rock			360	550			
Sand			550	608			
Slate			608	627			
Lime			627	635			
Sand			635	642			
Blue Slate			642	651			
Lime Shell			651	652			
Slate & Shells			652	680			
Sand			680	734			
Slate & Shells			734	770			
Red Rock			770	795			
Slate & Shells			795	805			
Sand			805	825			
Red Rock			825	880			
Lime			880	900			
Slate & Shells			900	1249			
Lime			1249	1253			
Slate			1253	1265			
Sand			1265	1280			
Slate			1280	1331			
Sand			1331	1350			
Coal			1350	1353			
Sand			1353	1411			
Lime			1411	1465			
Slate & Shells			1465	1490			
Sand			1490	1550			
Lime			1550	1567			
Slate & Shells			1567	1655			
Sand			1655	1756			
Little Lime			1756	1767			
Big Lime			1767	1840			
Sand			1840	1870			



(Over)

Formation	Color	Hard or Soft	Top 12	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			1870	1900			
Slate & Shells			1900	1922			
Big Injun Sand			1922	2061	Show gas	2417'	
Lime			2061	2081			
Slate & Shells			2081	2136	Gas 4899-4909'		
Lime			2136	2170			
Slate & Shells			2170	2390			
Shale			2390	2412			
Berea Grit			2412	2430			
Slate & Shells			2430	4583			
Brown Shale			4583	4790			
Corniferous Lime			4790	4897			
Oriskany Sand			4897	4930			
Total Depth				4930'			

WELL RECORD

Date March 11, 19 55

APPROVED _____ UNITED FUEL GAS COMPANY, Owner

By [Signature]

WR-35

521

09-Apr-98

API # 47-35-00-2 W

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

Reviewed [Signature]

Office of Oil & Gas
Permitting

Well Operator's Report of Well Work

Farm name: Bernard & Hazel Offutt Operator Well No.: 731 **MAR 01 1999**

LOCATION: Elevation: 737.00 Quadrangle: RIPLEY

WV Division of
Environmental Protection

District: RAVENSWOOD County: JACKSON
Latitude: 30 Feet South of 38 Deg. 52Min. 30 Sec.
Longitude 9000 Feet West of 81 Deg. 40 Min. 0 Sec.

Company: COLUMBIA GAS TRANSMISSION
P. O. BOX 1273
CHARLESTON, WV 25325-1273

Agent: RICHARD L. COTY

Inspector: HOMER DOUGHERTY
Permit Issued: 04/13/98
Well work Commenced: 05/14/98
Well work Completed: 08/01/98
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) 4911'
Fresh water depths (ft) 320'

Salt water depths (ft) 1337'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 1350' - 1353'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"		10'	
7"		61'	
7"		4740'-4804'	
4-1/2"		4860'	425 sx

OPEN FLOW DATA

Producing formation Oriskany Storage Pay zone depth (ft) 4899' - 4909'
 Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow N/A MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests N/A Hours
 Static rock Pressure N/A psig (surface pressure) after N/A Hours

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.

For: COLUMBIA GAS TRANSMISSION CORP.

By: [Signature]
Date: 2/22/99

MAR 16 1999

JAC
D
521
W

5/14/98 Replaced top two joints of 4-1/2" casing and installed API wellhead.

7/17/98 Installed casing patch from 2795' - 2815'.

7/30/98 Fractured Oriskany with N2 Assist Deltafrac using 418 bbls of H2O,
153 MSCF N2, 28,900# of 20/40 sand at 1 - 4 PPG.

WR-35
Rev (5-01)

DATE: 11/7/08
API #: 47-035-00521 N

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

AS

Farm name: Offutt, Bernard & Hazel Operator Well No.: 7316

LOCATION: Elevation: 737 ft Quadrangle: Ripley
District: Ravenswood County: Jackson
Latitude: 30 Feet South of 38 Deg. 52 Min. 30 Sec.
Longitude 9,000 Feet West of 81 Deg. 40 Min. 00 Sec.

Company: Columbia Gas Transmission Corp

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 1700 MacCorkle Ave SE Charleston, WV 25325-1273				
Agent: Paul Amick	This is an existing storage well - no casing was pulled or ran during rework.			
Inspector: Jamie Stevens				
Date Permit Issued: 10/2/08				
Date Well Work Commenced: 10/30/08				
Date Well Work Completed: 10/31/08				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet): 4930				
Fresh Water Depth (ft.): not applicable - frac only				
Salt Water Depth (ft.): not applicable - frac only				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): <u>none reported</u> ft				

RECEIVED
Office of Oil & Gas
NOV 10 2008
WV Department of Environmental Protection

OPEN FLOW DATA

Producing formation Oriskany Sand Pay zone depth (ft) 4897 - 4930
Gas: Initial open flow not applicable MCF/d Oil: Initial open flow none Bbl/d
Final open flow 25,000 MCF/d No oil
Time of open flow between initial and final tests not applicable Hours
Static rock Pressure 1500 psig (surface pressure) after 24 Hours

Second Producing formation N/A 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: James E Amos
By: James E. Amos - Senior Storage Engineer - Columbia Gas Transmission Corp
Date: 11/7/08

FEB 13 2009

JAC 0521 N

Ripley storage well 7316

This is an existing storage well. Below is a summary of work performed.

- 1) Well was cleaned with coil tubing equipment.
- 2) Fracture stimulated: 500 gals acid
554 fluid
32,000 lbs sand
Avg bottom-hole TR = 20 BPM
ATP = 2970 psig
ISIP = 3250 psig

Logs Ran: none.

* Note that no earthen pit was utilized. Swab fluids recovered via steel tanks and transported to LAD in Wheeling, WV for disposal/processing.