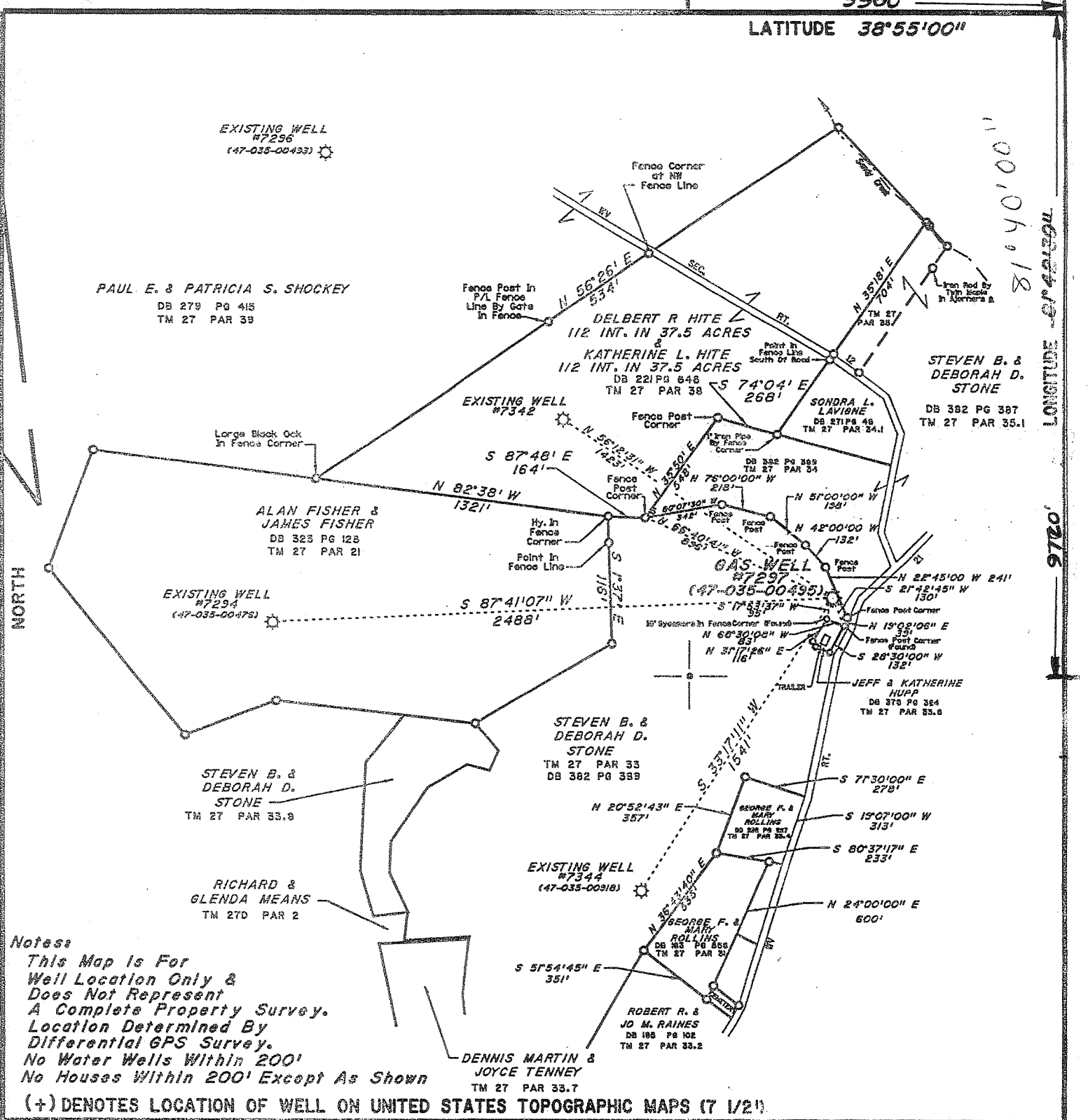


LATITUDE 38°55'00"



**Notes:**  
 This Map is For  
 Well Location Only &  
 Does Not Represent  
 A Complete Property Survey.  
 Location Determined By  
 Differential GPS Survey.  
 No Water Wells Within 200'  
 No Houses Within 200' Except As Shown  
 (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS (7 1/2")

FILE NO. \_\_\_\_\_  
 DRAWING NO. 7297  
 SCALE 1" = 600'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION EXISTING WELL (GROUND)

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. 759

PLACE SEAL HERE

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

DATE MARCH 31, 2008  
 OPERATOR'S WELL NO. 7297  
 API WELL NO. \_\_\_\_\_

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

LOCATION: ELEVATION 615.20' WATER SHED Mud Run Of Sandy Creek  
 DISTRICT Revenswood COUNTY Jackson  
 QUADRANGLE Sandyville COORDINATES LAT: 38°53'23" LONG: 81°41'07"

SURFACE OWNER STEVEN B. & DEBORAH D. STONE ACREAGE 76.12  
 OIL & GAS ROYALTY OWNER STEVEN B. & DEBORAH D. STONE LEASE ACREAGE 55.5  
 COAL OWNER STEVEN B. & DEBORAH D. STONE LEASE NO. 1052756

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 4808' OCT 9 2008  
 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

762743-30110101 0216 100,00,18

JACKSON COUNTY NAME PERMIT 495

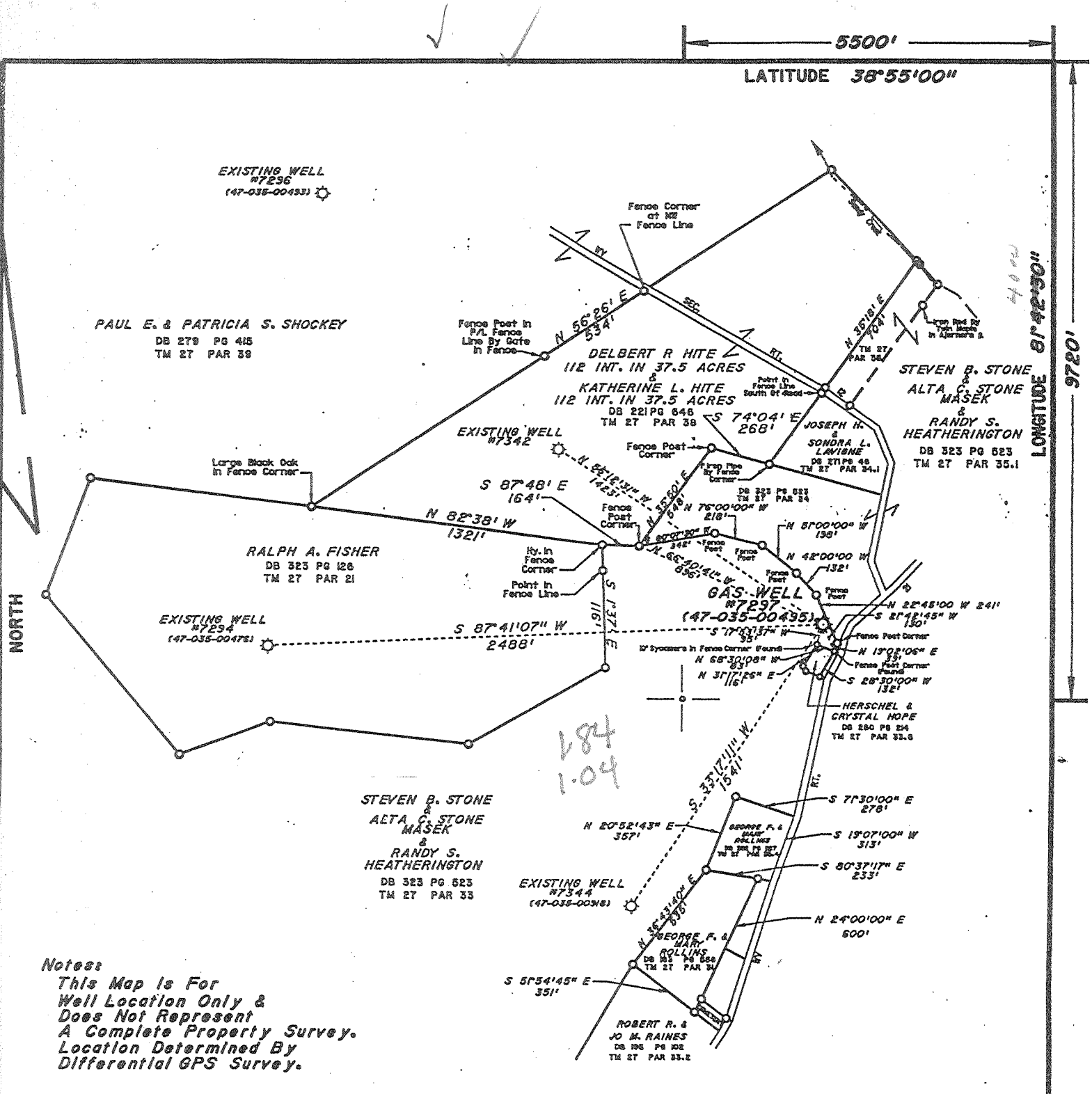
(FD-160) - Sandyville - 1971 8-0

LATITUDE 38°53'00"

5500'

LONGITUDE 81°42'30"

9726'



**Notes:**  
 This Map is For  
 Well Location Only &  
 Does Not Represent  
 A Complete Property Survey.  
 Location Determined By  
 Differential GPS Survey.

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

FILE NO. \_\_\_\_\_  
 DRAWING NO. 7297  
 SCALE 1" = 600'  
 MINIMUM DEGREE OF  
 ACCURACY 1/200  
 PROVEN SOURCE OF  
 ELEVATION EXISTING WELL  
(GROUND)

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) Edwin Hill  
 R.P.E. 9936 L.L.S. 798

PLACE SEAL HERE

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

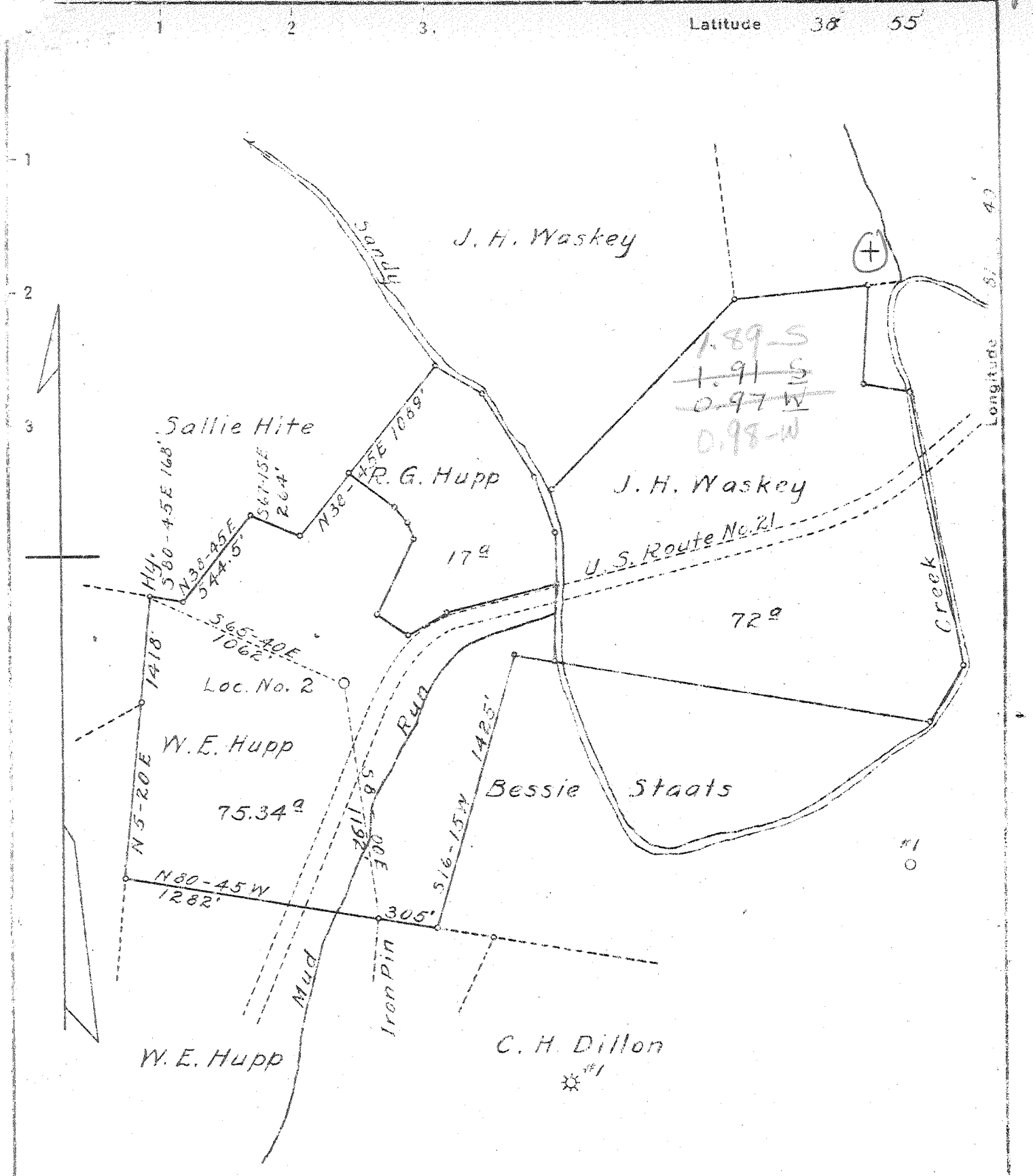


DATE October 2, 1998  
 OPERATOR'S WELL NO. 7297  
 API WELL NO. 47 035-00495-7

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS," ) PRODUCTION \_\_\_ STORAGE X DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 615.20' WATER SHED Mud Run Of Sandy Creek  
 DISTRICT Ravenswood COUNTY Jackson  
 QUADRANGLE Sandyville COORDINATES LAT: 38°53'23" LONG: 81°41'07"  
 SURFACE OWNER Alta C. Stone Masek & Steven B. Stone 112 INT. ACREAGE 84.77  
& Randy S. Heatherington 112 INT.  
 OIL & GAS ROYALTY OWNER Alta C. Stone Masek & Steven B. Stone 112 INT. LEASE ACREAGE 37.50  
& Randy S. Heatherington 112 INT.  
 COAL OWNER Alta C. Stone Masek & Steven B. Stone 112 INT. LEASE NO. 52783  
& Randy S. Heatherington 112 INT.  
 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 \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD L COTY  
 ADDRESS PO Box 1273, Charleston, WV ADDRESS PO Box 1273, Charleston, WV  
25325-1273 25325-1273

JACKSON COUNTY NAME PERMIT 495



#1  
 O  
 New Location X  
 Drill Deeper  
 Abandonment

Company United Carbon Company  
 Address Charleston, W. Va.  
 Farm W. E. Hupp et al  
 Tract \_\_\_\_\_ Acres 164.34 Lease No. 3033  
 Well (Farm) No. 2 Serial No. 1320  
 Elevation (Spirit Level) 615.2' Ground  
 Quadrangle Ripley (N.W.) WC  
 County Jackson District Ravenswood  
 Engineer C. G. Withrow  
 Engineer's Registration No. \_\_\_\_\_  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Aug. 3, 1945 Scale 1" = 660'

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

WELL LOCATION MAP  
 FILE NO. JAC-495

+ 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.

*Deep Well*

WR-35, T

05-Nov-98

API # 47- 35-00495 F

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

Reviewed \_\_\_\_\_

OCT 11 1999

Well Operator's Report of Well Work

Farm name: STONE, STEVEN & MASEK, ALTA Operator Well No.: RIPLEY 7297

LOCATION: Elevation: 615.00 Quadrangle: SANDYVILLE

District: RAVENSWOOD County: JACKSON  
Latitude: 9720 Feet South of 38 Deg. 55Min. 0 Sec.  
Longitude 5500 Feet West of 81 Deg. 42 Min. 30 Sec.

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

Agent: RICHARD L. COTY

Inspector: HOMER DOUGHERTY  
Permit Issued: 11/05/98  
Well work Commenced: 07-20-99  
Well work Completed: 08-12-99  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary Cable  Rig  
Total Depth (feet) 4808'  
Fresh water depths (ft) 108', 608'  
Salt water depths (ft) 730', 1195'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8", 24 lbs.		1928'	20 sx
7", 22 lb.		4689'	66sx
4-1/2", 12.6 lb.		4780'	299 sx
Office of Coal and Oil Permitting OCT 18 1999 WV DIVISION OF Environmental Protection			

Is coal being mined in area (Y/N)? No  
Coal Depths (ft): Not Reported

OPEN FLOW DATA \* Storage well - rates and pressures vary.

Producing formation Oriskany Pay zone depth (ft) 4808'  
 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: Paul Amick  
Date: October 11, 1999  
Sr. Storage Eng.

OCT 25 1999

JAC-0495 F

Cleaned out to TD with coiled tubing, replaced top joint of 4-1/2" casing and installed new API 7" x 4-1/2" 5M wellhead and pumped an N2-Assist Deltafrac Treatment using 500 gallons of 28% HCL, 425 bbls of water, 144 MSCF N2 and 26,700 lbs of 20/40 sand.

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

Permit No. Jac. 495  
Ripley N.W. Quad.

Gas Well  
CASING & TUBING

Company	United Carbon Company			
Address	Box 1913, Charleston 27, W.Va.	16	15	15
Farm	W.E. Hupp et al Acres 164.34	13 3/8	509	
Location	Mud Run of Sandy Creek	10 1/2	1100	
Well No.	2 (1320) Elev. 615.2 Gr.	8 5/8	1928	1928
District	Ravenswood Jackson County	7 OD	4689	4689
Surface	W.E. Hupp et al, Sandyville, W.Va.	2 3/8	4736'9	4736'9
Mineral	Same			
Commenced	Sept. 10, 1945	CASING CEMENTED:		
Completed	Dec. 4, 1945	8 5/8	1192'	10-21-45
Not shot		7 OD	22#	4619' 11-25-45
Open flow	32/10ths M in 7" 22#			
Volume	9,005,000 C.F.			
Rock Pressure	1360 lbs. 23 hrs.			
Fresh Water	608 l BPH; 730' l BPH(salt water); 108' H.F.			
Salt Water	1195' H.F.			

Surface	0	15
Red Rock	15	90
Sand	90	125
Red Rock	125	175
Slate & Shells	175	320
Red Rock	320	360
Sand	360	380
Slate	380	400
Red Rock	400	430
Sand	430	480
Slate	480	565
Sand - <i>P.H. Sand?</i>	565	608
Slate	608	725
Sand	725	745
Slate	745	785
Sand	785	800
Slate	800	883
Sand	883	1015
Slate	1015	1125
Sand	1125	1175
Slate	1175	1190
Sand	1190	1250
Slate	1250	1350
Sand	1350	1400
Slate	1400	1480
Sand	1480	1616
Big Lime	1616	1770
Injun Sand	1770	1874
Slate Break	1874	1881
Sand - <i>Squaw</i>	1881	1922
Slate & Shells	1922	2258
Shale Brown	2258	2268
Berea Shell	2268	2283
Slate & Shells	2283	3480
Shale Brown - <i>44</i>	3480	3540
Slate & Shells	3540	3743
Shale Brown	3743	4025
Slate White	4025	4400
Shale Brown	4400	4679
Corniferous Lime - <i>463</i>	4679	4787
Oriskany Sand	4787	4808
TOTAL DEPTH <i>475</i>		4808

Gas 4789' 9,0005 MCF

WV Department of Environmental Protection

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

Well Operator's Report of Well Work

Farm name: Stone, Stephen & Deborah

Operator Well No.: 7297

LOCATION: Elevation: 615 ft Quadrangle: Sandyville  
 District: Ravenswood County: Jackson  
 Latitude: 9.720 Feet South of 38 Deg. 55 Min. 00 Sec.  
 Longitude 5.500 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 to fracture stimulate.			
Inspector: Jamie Stevens				
Date Permit Issued: 10/2/08				
Date Well Work Commenced: 11/10/08				
Date Well Work Completed: 11/21/08				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet): 4808				
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.): none reported ft				

OPEN FLOW DATA

Producing formation Oriskany Sand Pay zone depth (ft) 4787 - 4808  
 Gas: Initial open flow not applicable MCF/d Oil: Initial open flow none Bbl/d  
 Final open flow 40,000 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: 12/10/08

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

- 1) Well was cleaned with coil tubing equipment.
- 2) Fracture stimulated: 750 gals acid  
506 fluid  
27,675 lbs sand  
Avg bottom-hole TR = 16 BPM  
ATP = 4070 psig  
ISIP = 4172 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.

JAC P 495 F