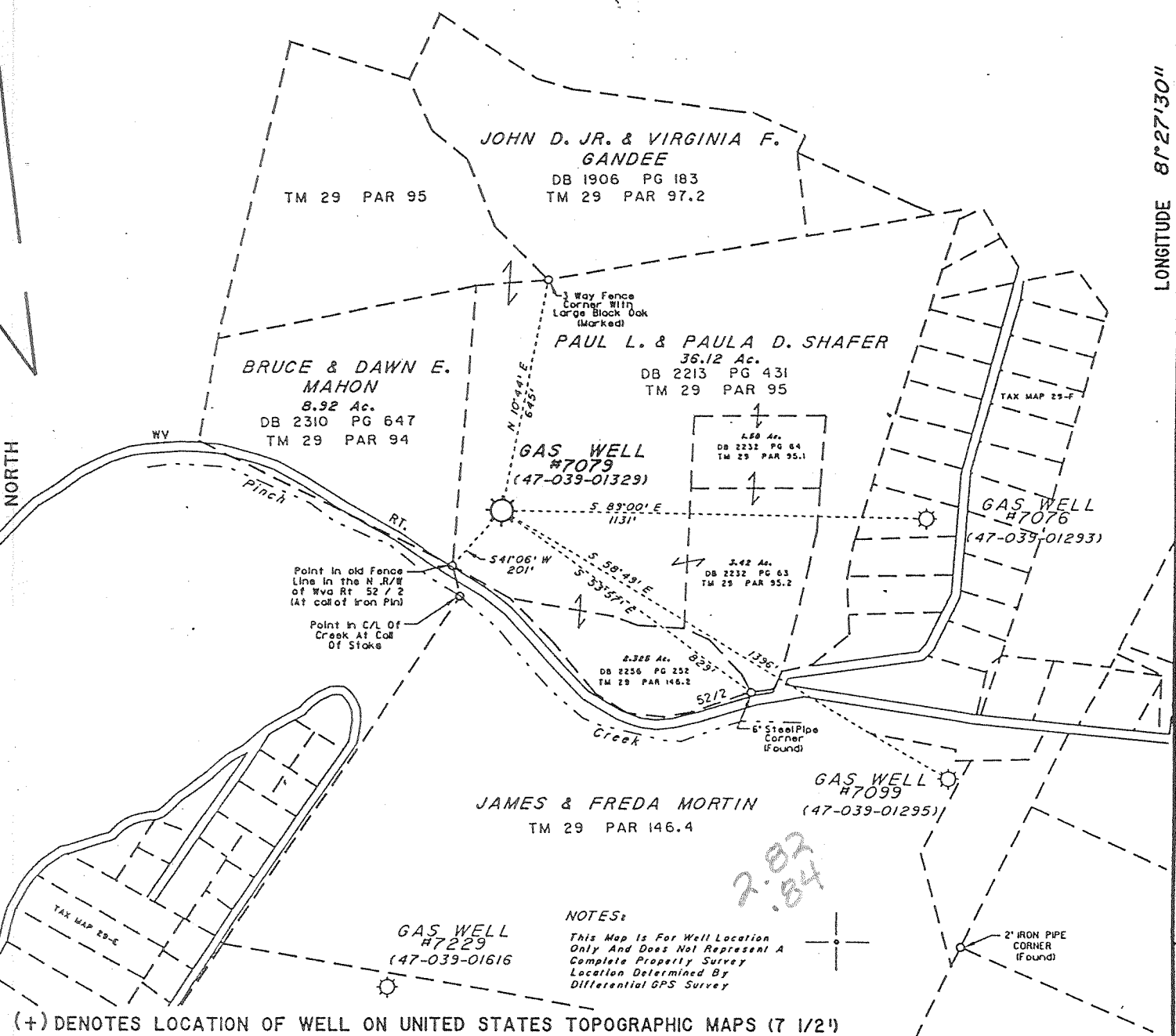


LATITUDE 38°27'30"

LONGITUDE 81°27'18"



NOTES:
 This Map is For Well Location Only And 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. 7079
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION EXISTING WELL

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
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE JULY 6, 19 99
 OPERATOR'S WELL NO. 7079
 API WELL NO. _____

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE X DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 794' WATER SHED Pinch Creek
 DISTRICT Eik COUNTY Kanawha
 QUADRANGLE Blue Creek WV COORDINATES LAT: 38°25'02" LONG: 81°28'26"
 SURFACE OWNER Roger L. & Paula D. Shafer ACREAGE 36.12
 OIL & GAS ROYALTY OWNER Charles R. Bryant LEASE ACREAGE 24 Ac.
 COAL OWNER Charles R. Bryant LEASE NO. 1047327

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 5192' +/-
 WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD SCOTY SEP 7 1999
 ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO Box 1273, Charleston, WV

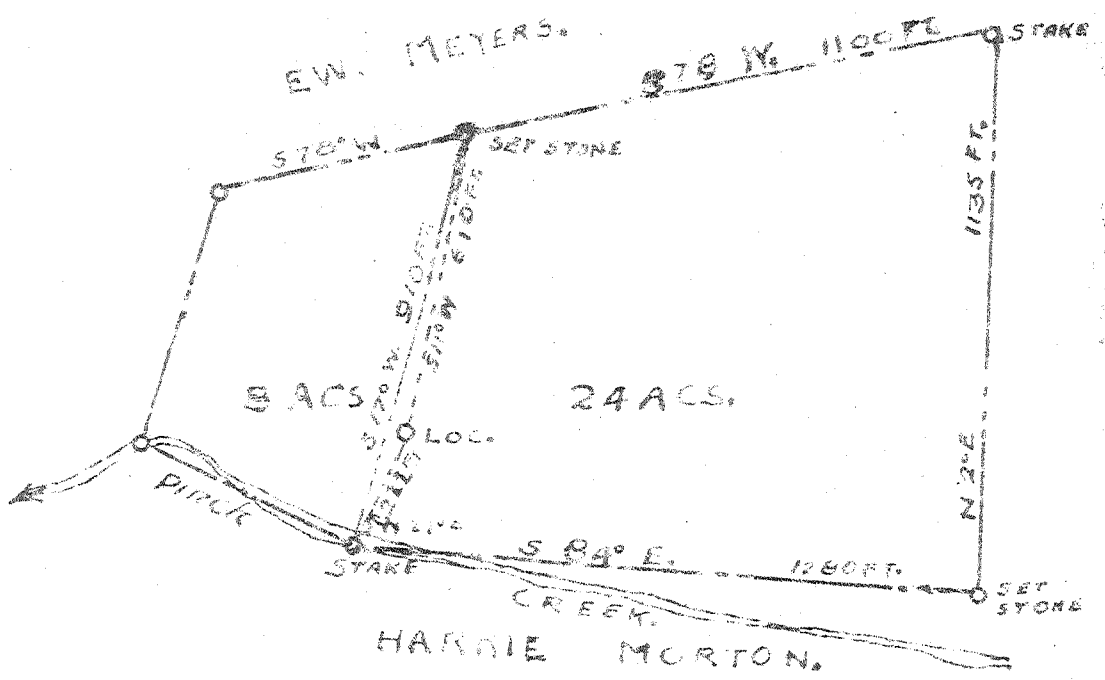
COUNTY NAME KANAWHA
 PERMIT 01329 F

DEEP WELL

Latitude 38° 25'

7.5 OGIS topo loc	15' loc
38° 27' 30"	2.82 S
81° 27' 30"	0.85 W
	5.70
	3.11

Longitude 81° 25'



0.0 S
2.9 W

COAL NOT OPERATED.

New Location X
 Drill Deeper
 Abandonment

4 NC (J-2)

Company	E. C. METZNER
Address	CHARLESTON, W. VA.
Farm	C. B. BRYANT & BESSIE LEE BRYANT
Tract	32 Acres
Lease No.	
Well (Farm) No.	1
Serial No.	1
Elevation (Spirit Level)	855.00
Quadrangle	CLENDENIN - WC
County	KANAWHA District ELK.
Engineer	B. E. Kreba
Engineer's Registration No.	9
File No.	12 003
Drawing No.	
Date	11-11-46
Scale	1" = 40' FT.

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

WELL LOCATION MAP
 FILE NO. KAN-1329

+ 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.

Prop Well

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

Permit No. Kan 1329
Clendenin Quad.

Gas Well
CASING & TUBING

Company	E.C. Metzner Inc.			
Address	Peoples Bldg., Charleston, W.Va.	16	20	20
Farm	C.P. Bryant Acres 32	12	509	
Location	Pinch Creek	10	1571'8	Same
Well No.	1 Elev. 855.3	8 1/2	2056	"
District	Elk Kanawha County	7 OD	5041'6	"
Surface	C.P. Bryant, Pinch, W.Va.			
Mineral	Same			
Commenced	April 26, 1946			
Completed	?			
Date shot	5158' to 5178'			
Water	140' 7 BFH; 960-970'			
	HFV 970-975'			

Vol: 1,450 McF.

Surface	0	15	
Sand	15	30	
Slate	30	80	
Sand	80	185	
Slate	185	200	
Sand	200	250	
Coal	250	255	
Slate	255	270	
Sand	270	315	
Slate	315	400	
Sand	400	495	
Slate	495	530	
Sand	530	550	
Slate	550	700	
Sand	700	762	
Slate & Shells	762	790	
Sand	790	817	
Slate	817	860	
Lime Shells	860	878	
Salt Sand	878	1363	
Slate	1363	1370	
Lime	1370	1380	
Sand	1380	1446	
Lime	1446	1453	
Maxon Sand	1453	1502	
Slate	1502	1505	
Little Lime	1505	1534	
Pencil Cave	1534	1539	
Big Lime	1539	1703	show gas 1595-1600
Keener Sand	1703	1717	
Big Injun	1717	1774	
Slate & Shells	1774	1805	Oil 1755'
Squaw Sand	1805	1830	
Slate & Shells	1830	1903	
Weir Sand	1903	1992	Green oil 1915-1935 - Gas and Oil 1978'
Slate & Shells	1992	3305	
Brown Shale	3305	3350	
Lime	3350	3500	
Slate & Shells	3500	3853	
Brown Shale	3853	4022	
White Slate	4022	4580	
Brown Shale	4580	5026	
Corniferous Lime	5026	5142	
Oriskany Sand	5142	5184	
Lime	5184	5192	
Total Depth		5192	

Filled back 17' to 5175'
Shot from 5145-5175

Gas 5159-5166' - 7' good pay
top sand 5142' - Pay 17' in sand
Best gas pay 5059'-5166'
possible pay to 5171'
dr. in sand 2:30 P.M. Sunday at 5184'
10/10 W in 7" - 8 hrs. after shot
1,450,000

WR-35

Office of
Oil & Gas
Planning

JAN 13 2000

Division of
Environmental Protection

State of West Virginia
Division of Environmental Protection Reviewed
Section of Oil and Gas
Well Operator's Report of Well Work

30-Aug-99
API # 47-39-01329 F

30-Aug-99

API # 47-39-01329 F

Farm name: SHAFER, ROGER L. Operator Well No.: COCO B 7079

LOCATION: Elevation: 794.00 Quadrangle: BLUE CREEK

District: ELK County: KANAWHA
Latitude: 14925 Feet South of 38 Deg. 27Min. 30 Sec.
Longitude 4450 Feet West of 81 Deg. 27 Min. 30 Sec.

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

Agent: RICHARD L. COTY

Inspector: CARLOS HIVELY
Permit Issued: 08/31/99
Well work Commenced: 10-13-99
Well work Completed: 11-17-99
Verbal Plugging
Permission granted on:
Rotary Cable X Rig
Total Depth (feet) 5226'
Fresh water depths (ft) 130'

Salt water depths (ft) 970' - 975'

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
10-3/4", 32.75 lb.		1572'	
8-5/8", 28 lb.		2056'	188 sx
7", 22 lb.		5042'	145 sx
4-1/2", 11.6 lb.		5226'	90 sx

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

Producing formation Oriskany (Storage) Pay zone depth (ft) 5151' - 5184'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ 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 _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ 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 Paul Amick
Date: 12-30-99

KAN 1329 F

FEB 25 2000

Pulled 5156' of 2-~~3~~/⁸" tubing, drilled new 6-1/8" hole 5179' - 5226', installed new API 5M wellhead, Ran 5226' of 4-1/2", 11.6 lb N-80 casing and cemented with 90 sx of Class "A" cement, perforated Oriskany 5151' - 5184' w/6 SPF, and pumped an N2-Assist Deltafrac Treatment using 500 gallons of 28% HCL, 421 bbls of water, 127MSCF N2, and 28,450 lbs of 20/40sand at 1-4 PPS.