

Location Determined By Differential GPS
 (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS (1/2")

FILE NO. _____
 DRAWING NO. 7301
 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) Richard L. Coty
 R.P.E. _____ L.S. 019

PLACE SEAL HERE

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

DATE MARCH 30, 1999
 OPERATOR'S WELL NO. 7301
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 826.50' WATER SHED Tributary To Left Fork Of Sycamore Creek
 DISTRICT Ripley COUNTY Meigs
 QUADRANGLE Ripley, WV COORDINATES LAT: 38°51'44" LONG: 81°42'00"

SURFACE OWNER Creed Pursley ACREAGE 88.80
 OIL & GAS ROYALTY OWNER Lucy Fickett LEASE ACREAGE 187
 COAL OWNER Lucy Fickett LEASE NO. 52755

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Storage Recaptitation Existing Storage Well (drilled in 1946. Full opening formation).

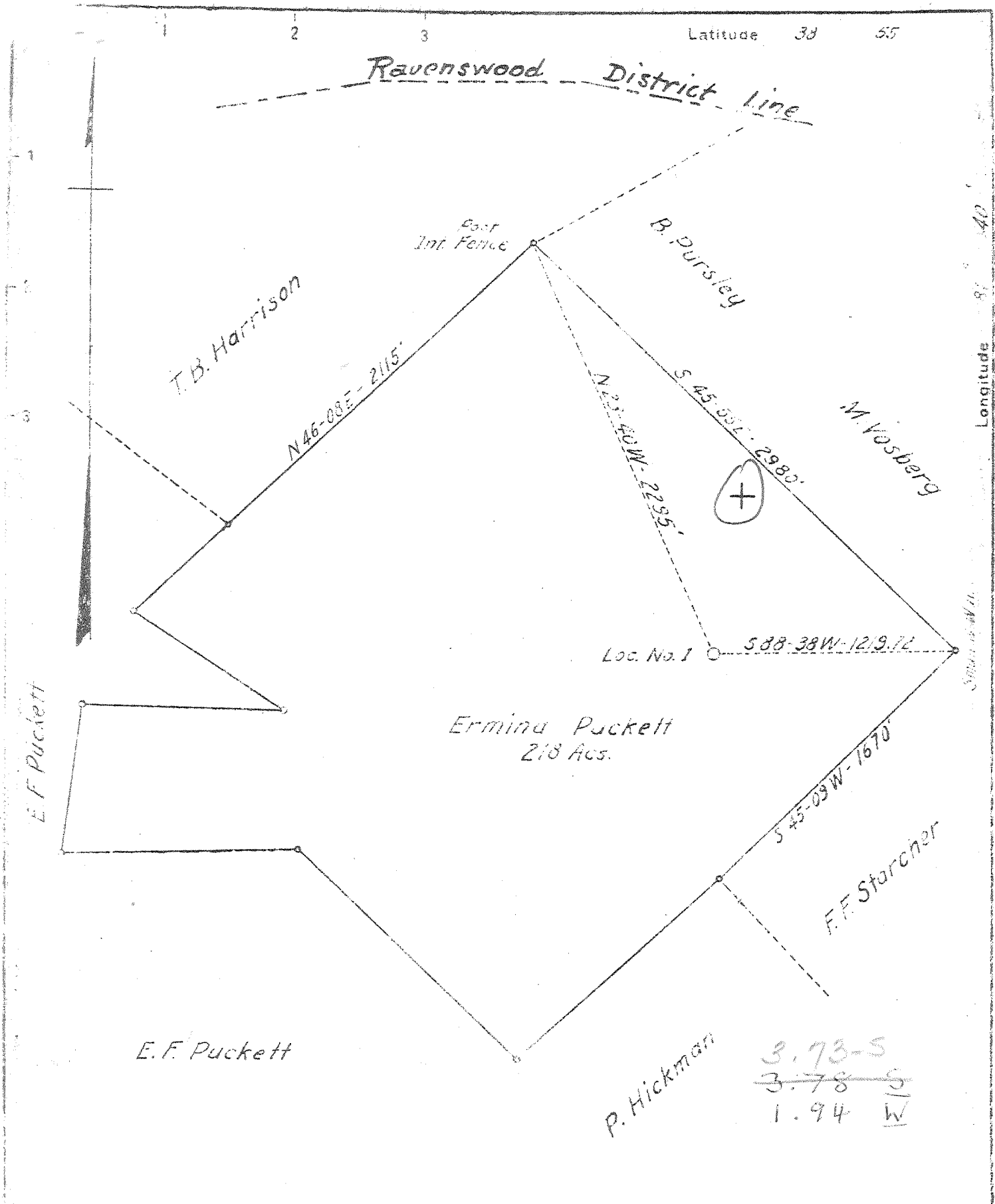
PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION DESKANY ESTIMATED DEPTH 5659'

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

MCKENNA COUNTY NAME PERMIT

DEP 6-25-02

B



New Location X
 Drill Deeper
 Abandonment

Company United Carbon Company
 Address Charleston, W.Va.
 Farm Ermina Puckett
 Tract _____ Acres 218 Lease No. 3054
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 875.5 Gr.
 Quadrangle Ripley SW W.C.
 County Jackson District Ripley
 Engineer E.G. Withrow
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date May 27, 1940 Scale 1" = 660'

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

WELL LOCATION MAP
 FILE NO. JAC-526

+ 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 to 100 Deep Well

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

Permit No. Jac 526
Ripley Quad.
Company
Address
Farm
Location
Well No.
District
Surface
Mineral

United Carbon Company
Box 1913, Charleston 27, W.Va.
Ermina Puckett et al A 218
Left Fork of Sycamore Creek
1 (1398) Elev. 880.5' Df
Ripley Jackson County

Gas Well
CASING & TUBING

	13 3/8	747	747
	10 1/2	1215	638
	8 5/8	2209	2209
	7 OD	4945	4945
	2 3/8	5056	5056

Ermina Puckett et al, Rt. 1
Ripley, W.Va.
June 24, 1946
Sept. 27, 1946

Casing cemented:
8 5/8 to 1634 8-6-46
7 OD to 4865 9-18-46

Commenced
Completed
Not shot
Open flow
Volume
Rock Pressure
Fresh Water

39/10ths M in 7" OD 22#
9,941,000 C.F.
1220 lbs. 24 hrs.
425'

Soil	20	Sand	1895	1926
Red Rock	20	Slate	1926	1935
Sand	120	Big Lime	1935	2080
Red Rock	140	Slate Wh ³⁴⁰	2080	2090
Lime	200	Sand - Big Injun	2090	2140
Red Rock	230	Slate	2140	2160
Sand	415	Sand - W&R?	2160	2200
Slate	485	Slate & Shells	2200	2520
Red Rock	500	Shale, Brown	2520	2540
Sand	515	Berea Sand	2540	2557
Slate White	525	Slate & Shells	2557	3425
Red Rock	565	Shale Br - 4412	3425	3475
Sand	590	Slate & Shells	3475	3750
Red Rock	635	Shale Br - 4412	3750	3850
Sand	653	Slate & Shells	3850	4010
		Shale Br	4010	4250
Slate	690	Slate Wh	4250	4650
Sand	695	Shale Br	4650	4935
Slate	735	Corniferous Lime - 462	4935	5038
Sand	805	Oriskany Sand	5038	
Slate	857	TOTAL DEPTH		5059
Rock Pink	882			
Slate	895	Gas 2540' ⁴⁷⁵		
Red Rock	905	Gas & Oil 3300 show - 410		
Sand	925	Gas 5039 10,067 MCF (High gauge)		
Red Rock	950			
Lime	975			
Slate	1020			
Red Rock	1065			
Lime Shell	1080			
Red Rock	1088			
Slate & Shells	1095			
Red Rock	1110			
Sand	1125			
Slate	1135			
Red Rock	1145			
Slate	1150			
Slate Bk	1170			
Slate Wh	1190			
Red Rock	1197			
Shells	1209			
Red Rock	1218			
Slate & Shells	1223			
Sand	1325			
Slate	1355			
Sand	1390			
Slate, Black	1425			
Sand	1450			
Slate Bk	1500			
Sand	1520			
Slate	1580			
Sand	1678			
Slate & Shells	1700	1565' H.F.		
Salt Sand	1795			
Slate	1890			

DATE

API #

47-035-00526-F

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

MB

Well Operator's Report of Well Work

Farm name: Rivley Operator Well No: 7301
LOCATION: Elevation: 875.50' Quadrangle: Rivley, WV
District: Rivley County: Jackson
Latitude: Foot South of 37 Deg. 51 Min. 44 Sec.
Longitude: Foot West of 81 Deg. 42 Min. 08 Sec.

Company: Columbia Gas Transmission

	Casing & Tubing	Used in drilling	Left in well	Cement fill 100 Cu. Ft.
Address: <u>RR 2 Box 138</u>				
<u>Sandyville WV 25275</u>				
Agent: <u>Paul Amick</u>				
Inspector: <u>Carr Parrish</u>				
Date Permit Issued: <u>5-14-99</u>				
Date Well Work Commenced: <u>5-7-01</u>				
Date Well Work Completed: <u>7-27-01</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 (Y/N)?				
Coal Depths (ft.):				

RECEIVED
Office of Oil & Gas
Permitting
DEC 14 2001
WV Department of
Environmental Protection

OPEN FLOW DATA

Producing formation Oriskany Sand Pay zone depth (ft) 5029' - 5059'
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
* - Not Applicable - STORAGE RESERVOIR
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: [Signature]
By: JOHN V. MCGILICRIST
Date: 12-12-01

201
12/28/2002
2502

Installed new API 5000 wellhead

7-25-01

Stimulated Oriskany sand w/

500 gals 28% HCl

412 bbls Water

25,000 # 20/40 sand

130,000 scf N₂

Avg Treating Pressure 3050 psig

Hauled all fluids to L.A.D. in Wheeling, WV

DOP
alcohol
~~6-25-02~~