

7750'
LATITUDE 38°55'00"

LONGITUDE 81°40'00"

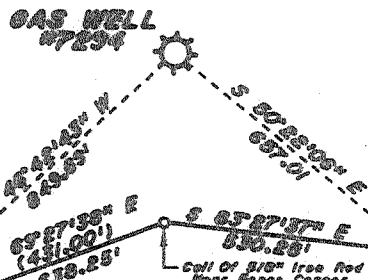
PAUL E. & PATRICIA S. SHOCKEY
68 Ac.
DB-279 PG 415
TM-27 PAR 39

DELBERT R. & KATHERINE L. HITE
37.5 Ac.
DB-221 PG 646
TM-27 PAR 38

RALPH A. & RUTH C. FISHER
58 Ac.
DB-323 PG 126
TM-27 PAR 21

1.84
1.45

PAUL G. JR. & KATHRYN L. KEFFER
35.01 Ac.
DB-255 PG 316
TM-27 PAR 20.2



ERIC J. & BARBARA E. MILES
8.98 Ac.
DB-312 PG 146
TM-27D PAR 8 & 9

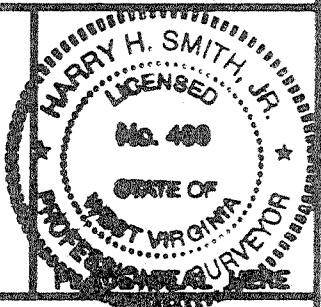
ALTA C. STONE MASEK
5.18 Ac.
DB-314 PG 625
TM-27 PAR 33.8

STEPHEN B. & ALTA CORRINE MASEK STONE
76.12 Ac.
DB-323 PG 529
TM-27 PAR 14

Notes:
This Map is For Well Location Only & Does Not Represent A Complete Property Survey.

FILE NO. _____
DRAWING NO. 7294
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 APRIL 9, 1995
OPERATOR'S WELL NO. 7294
API WELL NO. _____

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

LOCATION: ELEVATION 712' WATER SHED Cherryvale Run Of Sandy Creek
DISTRICT Ravenswood COUNTY Jackson
QUADRANGLE Sandyville, WV COORDINATES LAT: 38°52'22" LONG: 81°41'39"

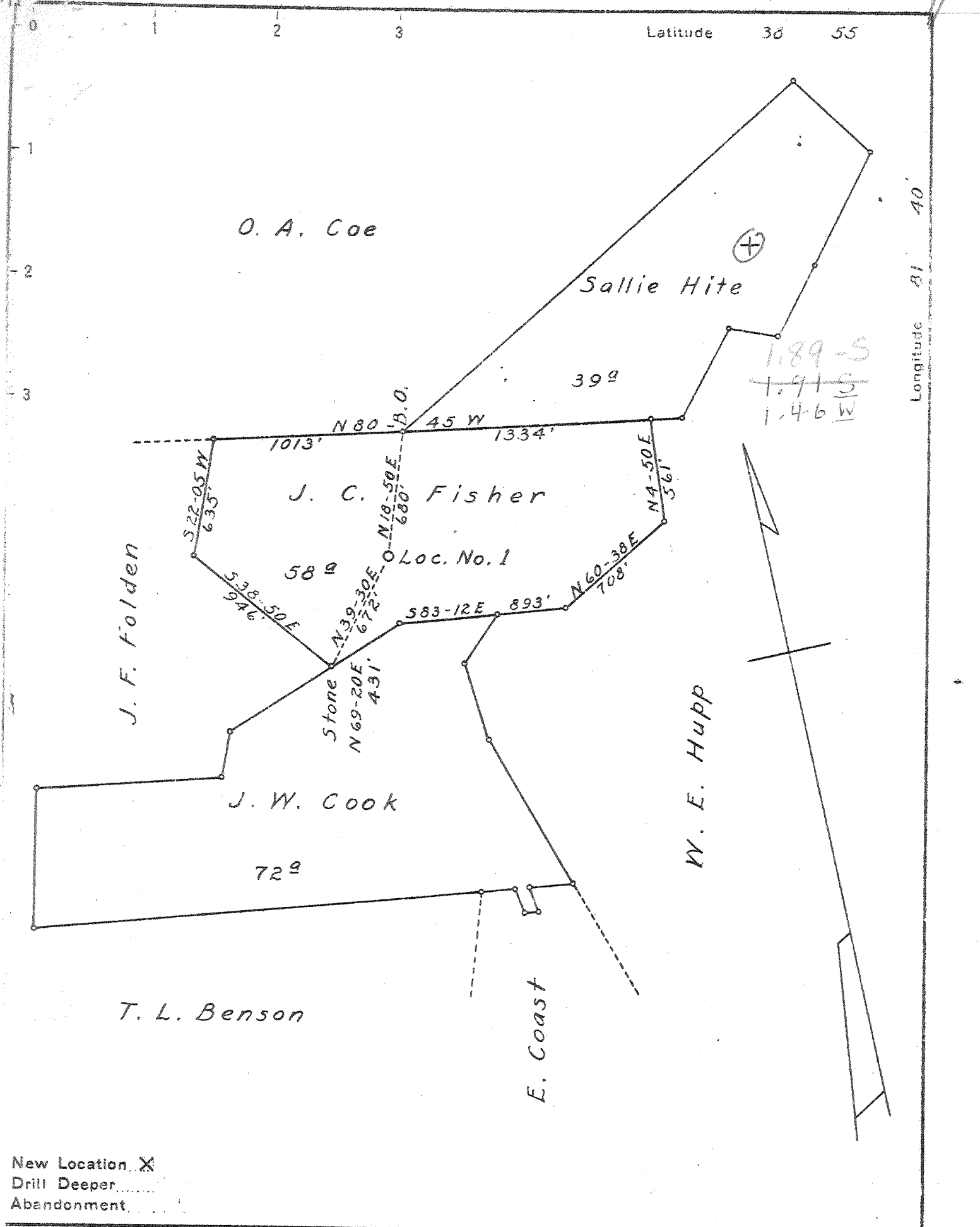
SURFACE OWNER Ralph A. Fisher ACREAGE _____
OIL & GAS ROYALTY OWNER Same LEASE ACREAGE 58
COAL OWNER Same LEASE NO. 1052510

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

PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION Oriskany ESTIMATED DEPTH 4067'
WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD L COTY
ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO Box 1273, Charleston, WV 25325-1273

DEEP WELL

JACKSON COUNTY NAME PERMIT 00476



New Location X
 Drill Deeper.....
 Abandonment.....

Company United Carbon Company
 Address Charleston, W. Va.
 Farm J. C. Fisher et al
 Tract _____ Acres 169 Lease No. 3737
 Well (Farm) No. 1 Serial No. 1199
 Elevation (Spirit Level) 712.3
 Quadrangle Ripley WC
 County Jackson District Ravenswood
 Engineer E. G. Withrow
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date June 27, 1944 Scale 1" = 660'

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

WELL LOCATION MAP
 FILE NO. JAC-476

X 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.

66-192 Deep Well

02/25/99 23:42 FAX

02

WR-35

25-Feb-99
API # 47- 35-00476 T

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

Reviewed KS

Well Operator's Report of Well Work

RECEIVED
Office of Oil & Gas
Permitting

MAR 08 1999

WV Division of
Environmental Protection

Farm name: FISHER, RALPH Operator Well No.: 7294

LOCATION: Elevation: 712.00 Quadrangle: SANDYVILLE

District: RAVENSWOOD County: JACKSON
Latitude: 9800 Feet South of 38 Deg. 55Min. 0 Sec.
Longitude 7750 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: 06/05/98
Well work Commenced: 7/30/98
Well work Completed: 9/2/98
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) 4867'
Fresh water depths (ft) 220', 625'

Salt water depths (ft) 1305', 1630'

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
7"		2036'	
5-1/2"		4762'	
3-1/2"		4835'	200sx

OPEN FLOW DATA

Producing formation Oriskany Storage Pay zone depth (ft) 4859'-4867'
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: 3-5-99

JAC 0476 T

MAR 16 1999

8/6/98 Replaced top joint of 3-1/2" casing. Installed API wellhead.

8/28/98 Fractured Oriskany with N2 Assist Delta Frac using 280 bbls of water,
15 MSCF N2, 3800# 20/40 sand at 1 PPG.

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

Permit No. Jac 476
Ripley Quad.

Gas Well
CASING & TUBING

Company	United Carbon Company	Wood	16	16
Address	Box 1913, Charleston 27, W.Va.	13 3/8	771	0
Farm	J.C. Fisher et al Acres 169	10 1/2	1045	0
Location	Sandy Creek	8 5/8	1600	0
Well No.	1 (1199) Elev. 712.3	7 OD	2036	Same
District	Ravenswood Jackson County	5 3/16	4762	Same
Surface	J.C. Fisher et al, Ravenswood, W.Va.	2 3/8	4367	Same
Mineral	Same			
Commenced	Aug. 25, 1944			
Completed	March 25, 1945			
Not shot				
Volume	Gas Well			
Rock Pressure	1720 lbs. 24 hrs.			
Fresh Water	220' 9 BPH; 625' 12 BPH			
Salt Water	1305' HFV; 1630-1650 HFV			

Casing cemented:
7" 1371
8 5/8 4612'

Conductor		0	16	Slate	1500	1505
Red Rock		16	100	Sand	1505	1524
Sand		100	120	Slate	1524	1560
Slate		120	150	Lime	1560	1585
Red Rock		150	220	Sand - Salt Sand	1585	1767
Sand		220	250	Big Lime	1767	1845
Slate		250	280	Injun Sand	1845	2020
Red Rock		280	290	Slate & Shells	2020	2350
Slate		290	310	Shale, Brown	2350	2364
Red Rock		310	335	Berea Sand	2364	2377
Slate		335	355	Slate & Shells	2377	3540
Red Rock		355	385	Brown Shale & Shells	3540	3640 #44
Sand		385	410	Slate & Shells	3640	3840
Slate		410	420	Shale Brown	3840	4120
Red Rock		420	439	Big White	4120	4500
Sand		439	485	Shale Brown	4500	4750
Red Rock		485	510	Corniferous Lime - 463	4750	4853
Slate		510	520	Criskany Sand	4853	4867
Red Rock		520	545	TOTAL DEPTH	4867	4867
Sand - Pitz Sand		545	615			
Slate	Black	615	620	Gas 1310'		
Sand		620	630	Gas 3960' show		
Slate	White	630	664	Gas 4853' show		
Sand		664	715	Gas 4858'		
Slate	Blue	715	735	Gas 4865'		
Red Rock		735	769			
Slate	White	769	780			
Sand		780	800			
Red Rock		800	840			
Slate	White	840	860			
Red Rock		860	875			
Slate	White	875	895			
Slate	Brown	895	905			
Sand		905	910			
Slate		910	950			
Red Rock		950	970			
Slate		970	980			
Red Rock		980	990			
Slate	White	990	1023			
Slate	Black	1023	1030			
Rock	Pink	1030	1050			
Slate	White	1050	1185			
Sand		1185	1195			
Slate	White	1195	1215			
Sand		1215	1220			
Slate	White	1220	1280			
Slate	Black	1280	1295			
Salt Sand		1295	1350			
Slate & Shells		1350	1430	Gas 1310'		
Sand		1430	1465			
Slate		1465	1470			
Sand		1470	1480			
Slate		1480	1485			
Lime		1485	1490			
Sand		1490	1500			