

LATITUDE 38°55'00"

STEVEN B. & ALTA CORINNE
MASEK STONE

DB 323 PG 529
TM 27 PAR 33

GEORGE F. &
MARY ROLLINS
DB 232 PG 227
TM 27 PAR 33.4

GEORGE F. &
MARY ROLLINS
DB 183 PG 558
TM 27 PAR 31

ROBERT R. & JO M.
RAINES
DB 195 PG 102
TM 27 PAR 33.2

GAS WELL
#7344
(47-035-00918)

STEVEN B. & ALTA CORINNE
MASEK STONE
DB 323 PG 529
TM 27 PAR 33

NORTH

LONGITUDE 81°40'10"

100011

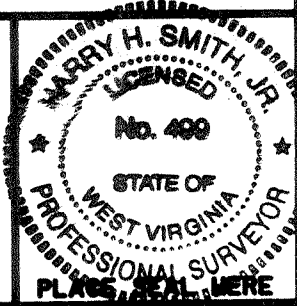
NOTES:

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

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

FILE NO. _____
DRAWING NO. 7344
SCALE 1" = 200'
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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF ENERGY.
(SIGNED) [Signature]
R.P.E. _____ L.L.S. 499



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE January 30, 1998
OPERATOR'S WELL NO. 7344
API WELL NO. 47 035 00918 - D
STATE COUNTY PERMIT

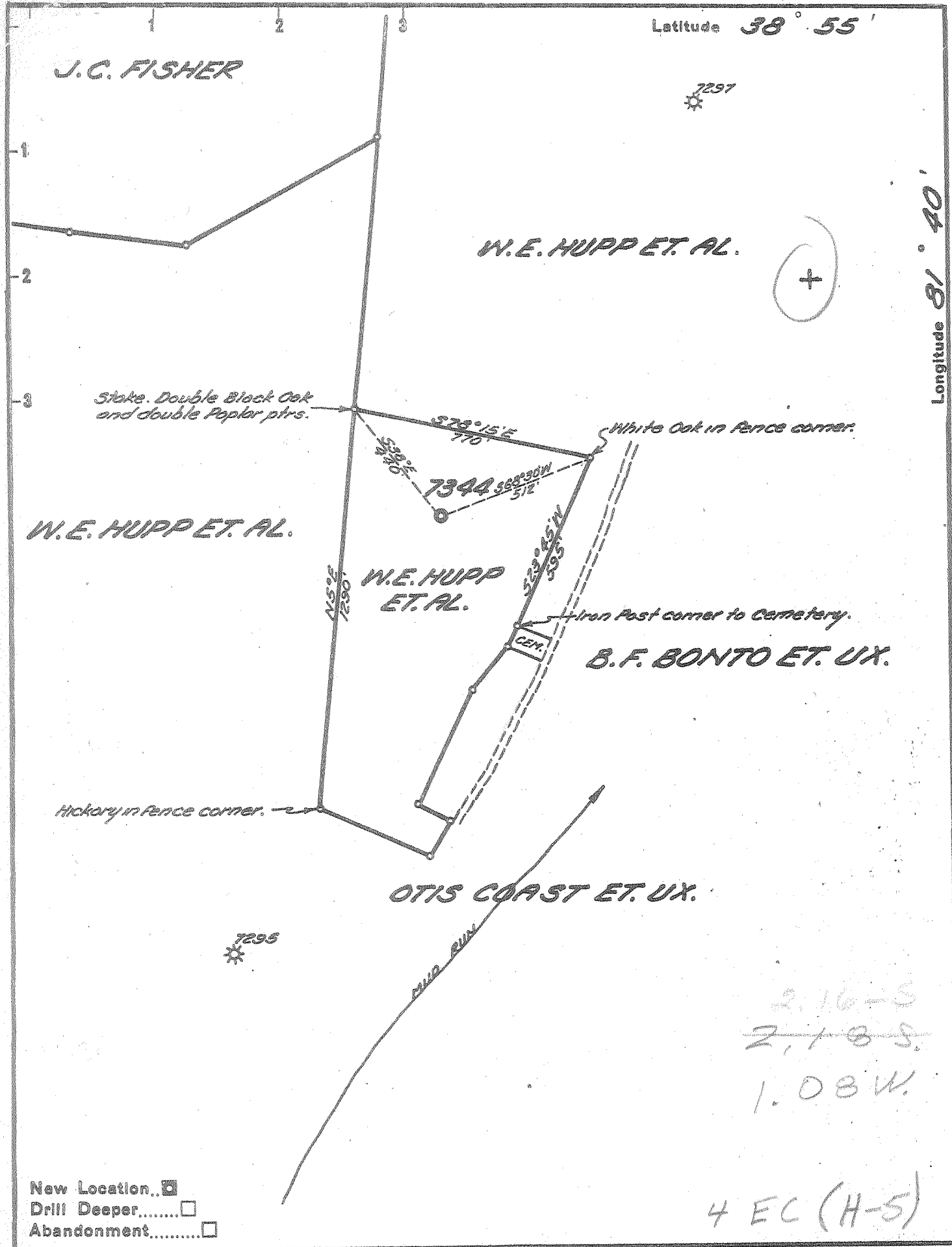
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 743' WATER SHED Mud Run
DISTRICT Ravenswood COUNTY Jackson
QUADRANGLE Sandyville, WV COORDINATES LAT: 38°53'10" LONG: 81°41'19"
SURFACE OWNER Steven B. & Alta Corinne Masek Stone ACREAGE 76.12
OIL & GAS ROYALTY OWNER Alta Corinne Masek LEASE ACREAGE 14
COAL OWNER Alta Corinne Masek LEASE NO. 1052789
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 5035
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

DEEP WELL

JACKSON COUNTY NAME PERMIT 00918

2.105
1.160



2.16-3
~~2.18-5~~
 1.08W.

4 EC (H-5)

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

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm W. E. HUPP, ET. AL.
 Tract _____ Acres 14 Lease No. 52789
 Well (Farm) No. _____ Serial No. 7344
 Elevation (Spirit Level) 743.12'
 Quadrangle RIPLEY-WC
 County JACKSON District RAVENSWOOD
 Engineer Seibert R. Howell
 Engineer's Registration No. 2529
 File No. 58-95 Drawing No. _____
 Date 4-19-56 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. JAC-918

+ 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.

Storage Well 8-0 192 Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 2

Quadrangle Ripley
Permit No. JAC-918

WELL RECORD

Oil or Gas Well Gas *Storage*
(KIND)

Company United Fuel Gas Co.
Address P.O. Box 1273; Charleston 25, W. Va.
Farm W. E. Hupp, et al Acres 14
Location (waters) Mud Run
Well No. X-59-7344 Elev. 743.12
District Ravenswood County Jackson
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by W. E. Hupp, et al
Address Rt. #3 Sandyville, W. Va. 2316
Drilling commenced 6-21-56
Drilling completed 10-5-56
Date Shot _____ From _____ To _____
With _____
Open Flow 18 /10ths Water in _____ Inch
7 /10ths Merc. in _____ Inch
Volume 6,684,000 Cu. Ft.
Rock Pressure 1200 lbs. 18 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 352, 620 feet 775, 1370 feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8		699'	
10 3/4	1190	Pulled	Size of
8 5/8		2081	
7 3/8		4883	Depth set
3			Perf. top
2		4965	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

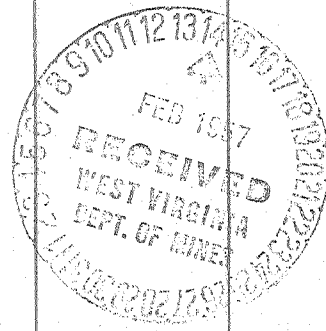
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 658 FEET 24 INCHES

FEET INCHES FEET INCHES

FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			0	20	Water 352'	2	bailers per hour
Slate			20	50			
Red Rock			50	70	Water 620'	15	bailers per hour
Sand			70	82	Water 775'	1	bailer per hour
Slate			82	94			
Red Rock			94	102	Hole full water	1370'	
Slate			102	108			
Red Rock			108	130	Gas 4950'	4/10 W 7" 23#	853 M
Lime			130	172	Gas 4950-4965'	18/10 Merc. 7" 23#	
Red Rock			172	234	6,684 M		
Sand			234	275			
Lime			275	310	NOT SHOT OR FRACTURED		
Red Rock			310	324			
Sand			324	405	FINAL OPEN FLOW - 6,684 M - Oriskany		
Red Rock			405	414	18 Hr. R.P. 1200#		
Lime			414	458			
Sand			458	480	Shut in 10-5-56 in 7" casing.		
Lime			480	507			
Lime & Shells			507	518			
Sand			518	535			
Lime			535	585			
Grey Lime			585	592			
Sand - 1 st P.H.S. Sand?			592	658			
Coal			658	660			
Slate			660	674			
Lime			674	696			
Red Lime			696	702			
Blue Lime			702	720			
Sand			720	782			
Slate			782	788			
Lime			788	824			
Red Rock			824	830			
Lime			830	844			
Sand			844	855			
Slate			855	860			
Red Rock			860	895			
Slate			895	920			
Lime			920	985			



Formation	Color	Hard or Soft	Top ²	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			985	990			
Slate & Shells			990	1002			
Red Rock			1002	1010			
Slate			1010	1090			
Red Rock			1090	1098			
Slate & Shells			1098	1190			
Lime			1190	1198			
Slate & Shells			1198	1347			
Lime			1347	1360			
Sand			1370	1444			
Slate			1444	1450			
Black Lime			1450	1460			
Gritty Lime			1460	1498			
Slate			1498	1515			
Sand			1515	1540			
Slate			1540	1550			
Sand			1550	1594			
Slate			1594	1617			
Sand			1617	1625			
Slate & Shells			1625	1652			
Sand			1652	1776			
Big Lime		<i>Lime maybe</i>	1776	1800			
Slate			1800	1803			
Big Lime			1803	1950			
Slate			1950	1955			
Sand - <i>Exposed</i>			1955	2021			
Lime			2021	2100			
Slate & Shells			2100	2420			
Brown Shale			2420	2430			
Berea Shells			2430	2440			
Slate & Shells			2440	3690			
Brown Shale - <i>441</i>			3690	3740			
Slate & Shells			3740	3930			
Brown Shale			3930	4150			
White Slate			4150	4525			
Brown Shale			4525	4829			
Corniferous Lime - <i>463</i>			4829	4945			
Oriskany Sand			4945	4965			
Total Depth			4965'				
			<u>475</u>				

Date February 13, 1957

APPROVED UNITED FUEL GAS COMPANY, Owner

WR-35

23-Feb-98
API # 47- 35-00918 D

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

Reviewed [Signature]

Well Operator's Report of Well Work

Checked
Class of Oil & Gas
Drilling

Farm name: STEVEN & ALTA C. MESEK Operator Well No.: 7344

LOCATION: Elevation: 743.00 Quadrangle: SANDYVILLE

District: RAVENSWOOD County: JACKSON
Latitude: 11000 Feet South of 38 Deg. 55Min. 0 Sec.
Longitude 6100 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: 03/05/98
Well work Commenced: 04/03/98
Well work Completed: 05/06/98
Verbal Plugging
Permission granted on: _____
Rotary _____ Cable _____ Rig
Total Depth (feet) 5016'
Fresh water depths (ft) 352'

Salt water depths (ft) 620', 775', 1370'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 658' - 660'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13-3/8"		707'	
8-5/8"		2105'	
7"		1483'	
4-1/2"		5002'	90 sx

OPEN FLOW DATA

Producing formation Oriskany Storage Pay zone depth (ft) 4952' - 4972'
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 _____ 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 0918 D

- 4/15/98 Drilled 6-1/8" hole to 5016' (Helderbury Lime).
- 4/21/98 Ran 5002' of 4-1/2", 11.6 #/jt, N-80 casing cemented with 90 sks Class A.
- 4/28/98 Perforated Oriskany from 4952' - 4972' with 6 SPF.
- 5/5/98 Fractured Oriskany with N2 Assist Deltafrac using 425 bbls of H2O,
163 MSCF N2, 26,800# of 20/40 sand at 1 - 4 PPG.