

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

FILE NO. \_\_\_\_\_  
 DRAWING NO. 7280  
 SCALE 1" = 400  
 MINIMUM DEGREE OF ACCURACY 1/200'  
 PROVEN SOURCE OF ELEVATION Standard Disc.  
Marked R-95, On SW Headwall Of Concrete Culvert

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. 798

PLACE SEAL HERE

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

DATE April 16, 2001  
 OPERATOR'S WELL NO. 7280  
 API WELL NO. 47 039 01618 F

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

LOCATION: ELEVATION 1006.00' WATER SHED Patterson Fork Of Little Sandy Creek  
 DISTRICT Elk COUNTY Kanawha  
 QUADRANGLE Kettle, WV COORDINATES LAT: 38°31'15" LONG: 81°29'10"

SURFACE OWNER Walter & Naomi Robertson ACREAGE 83.5  
 ORIGINAL OIL & GAS ROYALTY OWNER D. M. Canterbury Et Al. LEASE ACREAGE 347  
 COAL OWNER Dorothy F. Edens, Et Al. LEASE NO. 1013790

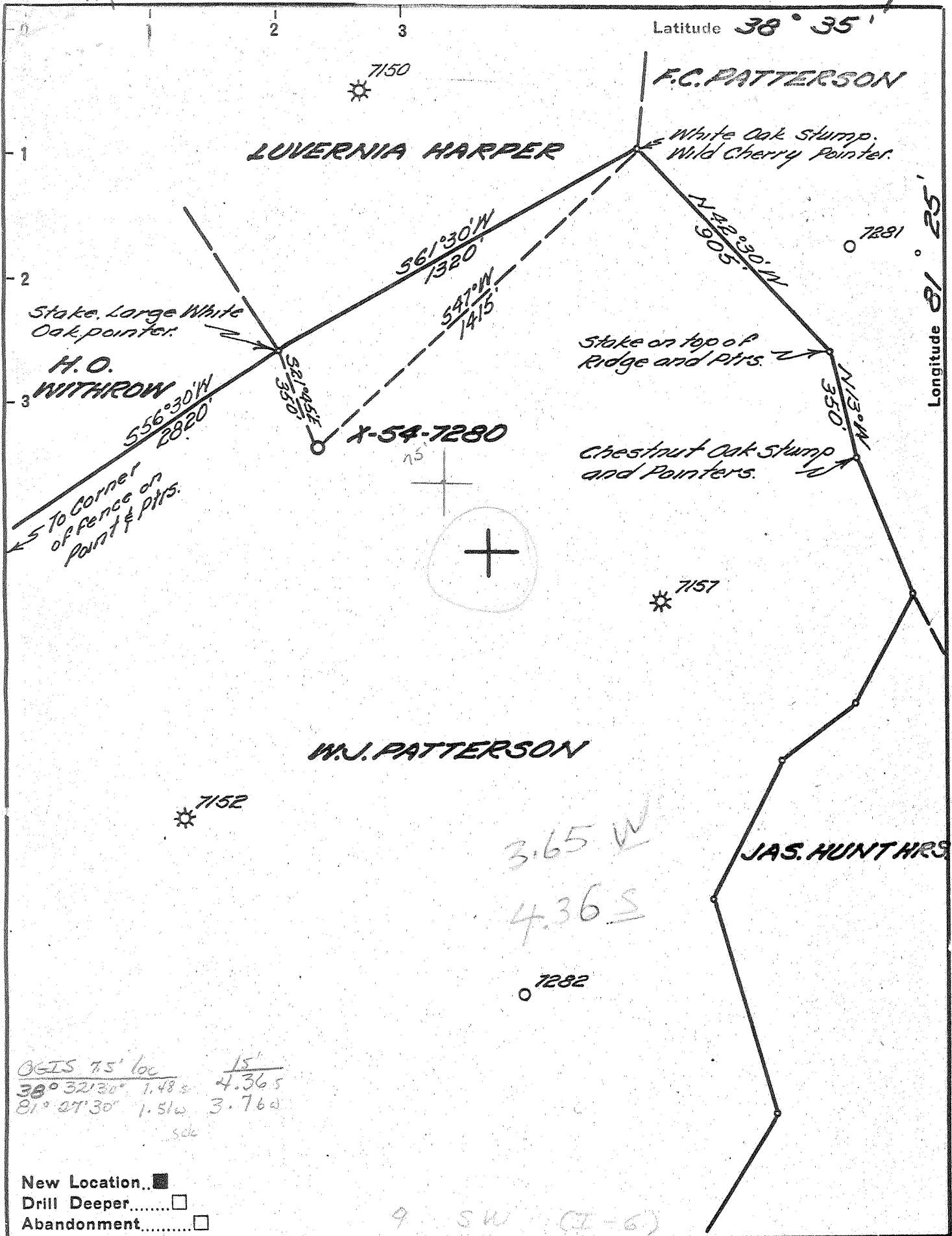
PROPOSED WORK: DRILL \_\_\_\_\_ CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Storage Recondition

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_

TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_

WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT PAUL AMICK  
 ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO Box 1273, Charleston, WV 25325-1273

KANAWHA COUNTY NAME PERMIT 1618 F



OGIS 7.5' loc  $\frac{15'}{38^\circ 32' 30''} = 1.48$   $\frac{15'}{81^\circ 27' 30''} = 1.51$   
 $4.365$   
 $3.760$

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

9 SW (I-6)

Company UNITED FUEL GAS CO.  
 Address CHARLESTON W.VA.  
 Farm W.J. PATTERSON  
 Tract \_\_\_\_\_ Acres 347 Lease No. 13790  
 Well (Farm) No. \_\_\_\_\_ Serial No. X-54-7280  
 Elevation (Spirit Level) 1006.04'  
 Quadrangle WALTON - SW  
 County KANAWHA District ELK  
 Engineer Stephen R. Jewell  
 Engineer's Registration No. 2529  
 File No. 68-71 Drawing No. \_\_\_\_\_  
 Date 6-23-53 Scale 1" = 400'

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

WELL LOCATION MAP  
 FILE NO. KAN-1618

+ 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

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 7

## WELL RECORD

Quadrangle Walton  
Permit No. KAN-1618

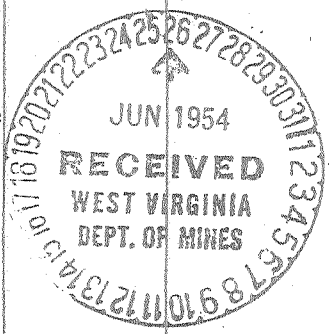
Oil or Gas Well Gas  
(KIND)

Company UNITED FUEL GAS CO.  
Address P.O. Box 1273, Charleston 25, W. Va.  
Farm W. J. Patterson Acres 347  
Location (waters) Poca Fork of Little Sandy  
Well No. X-54-7280 Elev. 1006.04<sup>16</sup>  
District Elk County Kanawha  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by Ava Patterson, et al  
321 Bays Avenue Address Morehead, Ky.  
Drilling commenced 10-8-53  
Drilling completed 2-13-54  
Date Shot 5-11-54 From 5318 To 5328  
With 66-2/3# Gelatin  
Open Flow 90 /10ths Water in \_\_\_\_\_ Inch  
90 /10ths Merc. in \_\_\_\_\_ 2" Inch  
Volume 1,476,000 Cu. Ft.  
Rock Pressure 950 lbs. 48 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water \_\_\_\_\_ feet  
Salt water 1346' feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
18			
10 <u>3/4"</u>	<u>548'</u>		Size of
8 <u>1/2"</u>		<u>1806'</u>	Depth set
6 <u>5/8"</u>			
5 <u>7/16"</u>		<u>5217</u>	Perf. top
3			Perf. bottom
2		<u>5315'</u>	Perf. top
Liners Used			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay			0	26			
Sand			26	60			
White Slate			60	77			
Sand			77	87			
Slate			87	115			
Red Rock			115	160	Gas 1284-1290'		
Gray Lime			160	165			
Red Rock			165	260	Gas 1330-1336'		
White Slate			260	280			
Red Rock			280	290	Hole full water 1346'		
Gray Sand			290	325			
Red Rock			325	380	Gas 1692-1694'		
White Slate			380	385			
Sand			385	400	Gas 1705-1710'		
Red Rock			400	415			
Sand			415	455	Gas 5323-5328' 7/10 W 7" 22# 1,142 M		
Blue Slate			455	465			
Red Rock			465	475	1st treatment Sandfrac unsuccessful, did not fracture at 6400#		✓
Sand			475	480			
Slate			480	490			
Slate & Shells			490	515	2nd treatment Hynac unsuccessful 4-21-54		
Sand			515	540	Test after hynac 20/10 Merc. 2" 696 M		
Slate & Lime Shells			540	575			
Sand			575	687			
Slate			687	818	Shot 5-11-54 with 66-2/3# Gelatin from 5318-5328'		
Sand			818	915	Final open flow 90/10 Merc. 2" 1,476 M		
Slate			915	968			
Sand			968	1010			
Slate			1010	1046			
Lime			1046	1056	FINAL OPEN FLOW - 1,476 M - Oriskany 48 Hr. R.P. 950#		
Slate & Shells			1056	1100			
Sand			1100	1140			
Slate & Shells			1140	1165			
Sand			1165	1210	Shut in 5-13-54 in 2" tubing.		
Slate & Shells			1210	1230			
Salt Sand			1230	1650			
Slate & Shells			1650	1687			
Maxon Sand			1687	1720			
Slate			1720	1723			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Little Lime			1723	1750			
Pencil Cave			1750	1760			
Big Lime			1760	1900			
Injun Sand			1900	1950			
Slate & Shells			1950	2205			
Berea Grit			2205	2218			
Slate & Shells			2218	4100			
Brown Shale			4100	4162			
Slate & Shells			4162	5162			
Black Slate			5162	5172			
Corniferous Lime			5182	5315			
Oriskany Sand			5315				
Total depth			5340'				

Date June 25, 19 54

APPROVED UNITED FUEL GAS CO., Owner

By A.R. Furr