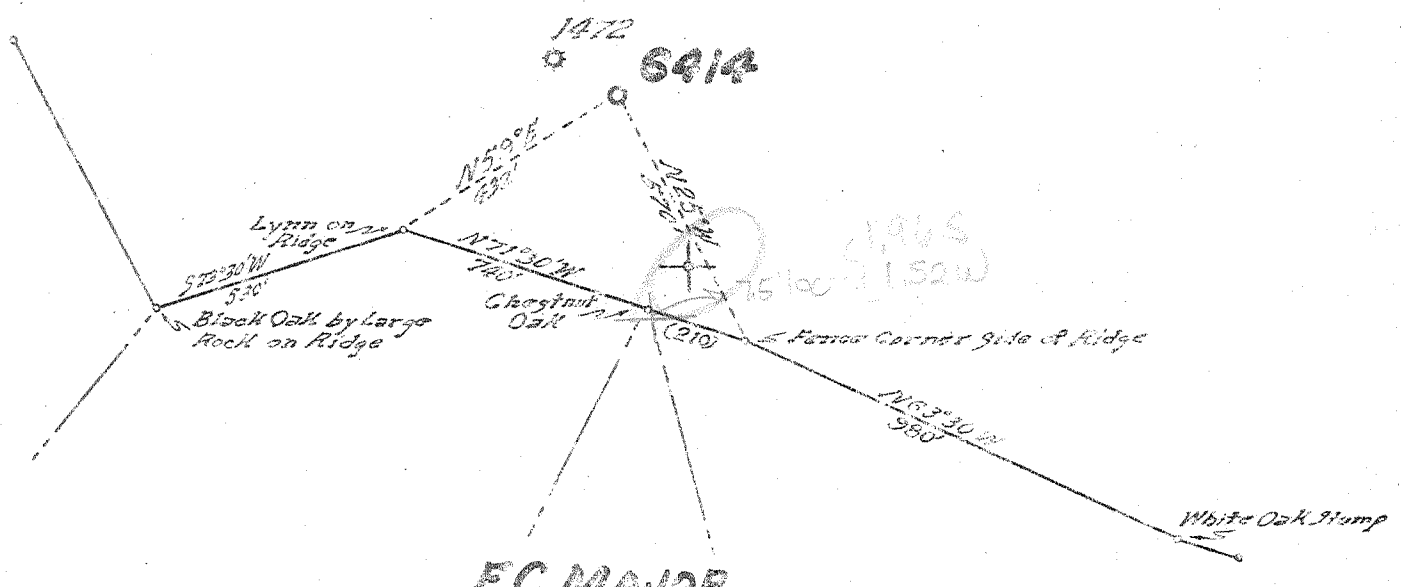


Latitude 35° 38' 32.30"

Longitude 81° 25' 00"

W.J. PATTERSON

F.C. MAJOR



5 miles 4845
37W

(Handwritten initials)

SEP 25 1946

3.82 W
4.9

New Location
Drill Deeper
Abandonment

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W.VA.
 Farm W.J. PATTERSON
 Tract _____ Acres 347 Lease No. 13790
 Well (Farm) No. 4 Serial No. 6414
 Elevation (Spirit Level) 855.5
 Quadrangle WALTON *Letter SW*
 County MORGAN District ELK
 Engineer [Signature]
 Engineer's Registration No. 662
 File No. 68-69 Drawing No. _____
 Date 9-2-48 Scale 1"=400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
Deep Well
 WELL LOCATION MAP
 FILE NO. KAN-1465

+ 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.

W.J. PATTERSON NO. 4 (6414) - UNITED FUEL GAS CO. - KAN-1465

T. 92 S. 38° 35'
 3. 82 W. 81° 25'

WEST VIRGINIA DEPARTMENT OF MINES
 OIL & GAS DIVISION
 WELL RECORD

9 SW (I-6)

Permit No. Kan 1465				Gas Well
SW Walton Quad.				CASING & TUBING
Company	United Fuel Gas Co.			
Address	P.O. Box 1273, Charleston 25, W.Va.			
Farm	W.J. Patterson Acres 347	13 3/8	22	22
Location	Poca Fk. of Little Sandy Cr.	10 1/2	403	403
Well No.	6414 Elev. 866.5	8 5/8	1652	1652
District	Elk Kanawha County	7	5090	5090
Surface				
Mineral	N.J. Fogarty et al, Frame, W.Va.			
Commenced	9-1-48			
Completed	12-3-48			
Not shot				
Open flow	10/10ths M in 7"			
Volume	5,034 M Oriskany			
Rock Pressure	1125 lbs. 10 hrs.			
Salt Water	1235'			

Sandy Soil	0	12	Salt Sand 1178-1180' 4/10 W 2" 84 M
Sand	12	43	Gas 1780' In Injun
White Slate	43	60	Gas 2070' show
Red Rock	60	125	Oriskany Gas 5201-5213 10/10 M 7"
Slate	125	200	22# 5,034 M
Red Rock	200	211	Open flow 5,034 M Oriskany
Lime Shells	211	228	10 hr. R.P. 1125#
Broken Lime	223	250	Shut in 12-3-48 in 2" tubing
Red Rock	250	255	
Sand	255	320	
Blue Slate	320	350	
Lime	350	423	
White Sand	423	540	
Slate	540	580	
Lime	580	590	
Gray Shale	590	687	
Sand	687	743	
Yellow Lime	743	775	
Sand	775	800	
Slate & Shells	800	876	
Sand	876	1014	
Black Slate	1014	1033	
Lime	1033	1048	
Salt Sand	1048	1520	
Slate	1520	1525	
Broken Lime	1525	1550	
Slate	1550	1557	
Maxon Sand	1557	1585	
Slate	1585	1594	
Little Lime	1594	1600	
Pencil Cave	1600	1640	
Big Lime	1640	1770	
Injun Sand	1770	1818	
Lime Shells	1818	1838	
Slate & Shells	1838	3935	
Brown Shale	3935	4160	
White Slate	4160	4320	
Dark Slate	4320	4350	
White Slate	4350	4460	
Gray Lime	4460	4500	
Gray Slate	4500	4620	
Dark Slate	4620	4720	
Brown Shale	4720	5035	
Black Shale	5035	5064	
Corniferous Lime	5064	5194	
Oriskany Sand	5194	5215	
Total Depth	5215	SLM	

Deep Well