





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

Quadrangle Holden		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Permit No. LOG-648 WELL	RECORD		Oil or	Gas Well Gas
Company United Fuel Gas Co. Address P.O. Box 1273; Charleston 25, W. Va. Farm United Fuel Gas Co.Min.Tr.#1 Acres 23.469.3	Casing and Tubing	Used in Drilling	Left in Well	Packers
Location (waters) Marsh Fork Well No. 8545 Elev. 1167.08 District Chapmansville County Logan	Size 16			Kind of Packer Hook wall
The surface of tract is owned in fee byAddress	103/4 81% 5/8		16! 602	Size of
Mineral rights are owned by United Fuel Gas Co. Address Charleston, W.Va.	5 9/1/2	1.7501	1660 Pulled 3938	Depth set
Drilling commenced 7-8-57 Drilling completed 10-5-57 Date Shot 10-7-57 From 2700 To 4169	2 Liners Used)9930	Perf. top Perf. bottom Perf. top
With 10,133-1/3# Gelatin Open Flow 1010ths Wafer in 2 Inch 3810ths 1 65 M Inch Volume 198,000 Big Lime 65 M/Br. Shalecu. Ft.		ENTED	SIZE	Perf. bottom
Volume 198,000 Big Lime 65 M/Br.ShaleCu. Ft. Rock Pressure 110 lbs. 48 Oil bbls., 1st 24 hrs. WELL ACIDIZED 8-23-57	COAL WAS E	NCOUNTER	ED AT 21	2 FEET 60 INCHES

RESULT AFTER TREATMENT Test 3 hrs. after acidized 38/10 W 2" 260 M; Test 8-27-57 - 38/10 W 1"

BOOK PRESSURE AFTER TREATMENT

65 M

FEET INCHES FEET INCHES

ROCK PRESSURE AFTER TREATMENT

WELL ACIDIZED 8-23-57

WELL FRACTURED____

with 3000 gallons acid

Fresh Water 217	7835	Feet		Salt Water_	975	Feet	
Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth	Remarks
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)							
Surface		·	0	14	Water 0 835	2 bailers	per hour
Sand			14	14 75			
Slate			75	81	Gas 933' 10	/10 W 1" 33	М
Sand			81	104	Gas 955' 14	/10 W 1" 39	M decreased to
Slate			1.04	150	8/10 W 1"	30 M @ 975	
Sand			150	185			
Slate			185	207			-
Sand	·		207	212	Show gas 17	731	
Coal			212	217			M blew down to
Slate			217	254		' 52 M @ 186	
Coal	•		254	259			M blew down to
Slate			259	373	12/10 W 1	37 M @ 227	o,
Sand			373	409	Gas 23901 2	4/10 W 1" 52	М.
Slate			409	417		,	
Sand			417	430	Test before	acidized 26	/10 W 1" 54 M
Slate	i		430	556			
Sand			556	582			
Slate			582	645	Test before	shot 10/10	M J ii 33 M
Sand			645	690			10/10 W 2" 133
Slate			690	755	2000 20 1100	0 01 001 0110	(LO LO L L)
Sand		40VIT23:	755	776			
Slate		(C)) 21.	776	790		1	
Sand		188V	790	863			
Shate	le	DEC 100	060	875			
Salt Sand	<u> </u>	RECEIVE	875	913			
Slate	[c	P WEST	913	919		1	
Sand	18	WEST WALLS	919	1007			
Slate		DEPT. OF MALE	1007	1045			100
Lime Shale		No.	1045	1090		1	**************************************

(over)

Formation	Color	Hard or Soft	Top /	Bottom	Oil, Gas or Water	Depth Found	Remarks
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and			- 1090	1142	ADDINAMENTAL .		
Slate			1142	1175	ecolopological	1	
lme Shale			1175	1208	CONTRACTOR OF THE CONTRACTOR O		
Sand			1208	1223	AD COMMENTS		
Blate			1223	1227			
Sand			1227	1285			
Slate Lime Shell			1285 1300	1300 1306			
orme onerr			1306	1339			
Sand			1339	1398			
Slate			1398	1453			
Red Rock	À.	CONT. MERCHANISTO	1453	1502			
Slate			1502	1528 1542			
Shell Slate		,	1528 1542	1550	LANGE BELLE	प्रश्चित्रक ह	
Tave Sand			1550	1584		4	
Little Lim			1584	1622	599 (A45):		i si
Slate			1622	1626			
Big Lime		J.*	1626	1845			sija jasistan optautu. N
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late			1970	1998	Property of the second	기관 시간 왕	g granerane s
hell			1998	2090			
Slate			2090	2270		(H) TOWNYAGA	
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Sworn and subscribe before me this 28

Oil and Gas Inspector: _

My commission expires: 10 - 7

STATE OF WEST VIRGINIA MICHAEL E. MINNEY

LLOYD JACKSON WELL SERV, INC. 308 WALNUT STREET HAMLIN, WV 25523 My Commission Expires 10-7-02

STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

· AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

LOCATION:						
	Elevation: 1167	.08'	Quadrangle: _	Chapman	ville	
	District: Guyan Latitude:		County: _1	Logan	***************************************	
	Latitude:	Feet South o	fDeg	Min	Sec.	
	Longitude:	Feet West o	fDeg	Min	Sec.	
Well Type:	OILGAS _X	<u></u>				
Company:	<u>Columbia Natu</u> P O Box 6070 Charleston WV		Coal Operator or Owner		Office of Old	4 Gas
			Coal Operator			
Agent: W.P	Watson Jr.	•	or Owner		<u>FEB</u> 21	ZUUT
Permit Issue	ed Date: 1/25/00)			WV Division Environmental P	n of Totaction
	• .		AFFIDAVIT			
County o	f_Lincoln	ss:				
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