

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

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Minimum accuracy, one part in 200

Company	SPENCER-JACKSON GAS CO.		
Address	Box 351 CLARKSBURG, W.VA.		
Farm	HARMAN SMITH et. al.		
Tract	Acres	106	Lease No.
Well (Farm) No.	2	Serial No.	1
Elevation (Spirit Level)	1129'		
Quadrangle	WEST UNION SE4'		
County	DODDRIDGE District CENTRAL		
Engineer	James D. Jeffers		
Engineer's Registration No.	1084		
File No.	208/56	Drawing No.	
Date	6-6-64 Scale 1" = 500'		

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

**WELL LOCATION MAP**  
FILE NO. DOD-1147

+ 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.

RDMS



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Quadrangle WEST UNION

Permit No. DOD-1147

WELL RECORD

Oil or Gas Well Oil  
(KIND)

Company SPENCER & JACKSON GAS COMPANY  
Address P.O. Drawer 351, Clarksburg, W. Va.  
Operator Herman H. Smith, et al Acres 106  
& Ernest Cottrill  
Location (waters)  
Well No. One Elev. 1129'  
District Central County Doddridge  
The surface of tract is owned in fee by Ernest Cottrill  
Address Central, W. Va.  
Mineral rights are owned by Herman H. Smith et al  
Freeman Ave. Address West Union, W. Va.

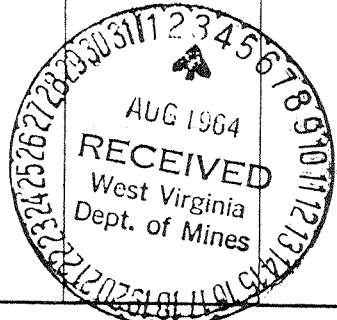
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16 <u>15</u>	<u>15</u>	<u>15 Ft.</u>	Kind of Packer
13			
10	<u>316 Ft.</u>	<u>NONE</u>	Size of
8 1/4	<u>1265 "</u>	<u>NONE</u>	
6 5/8			Depth set
5 3/16			
# <u>4 1/2</u>	<u>2263</u>	<u>2263</u>	Perf. top
<u>2</u>	<u>2261</u>	<u>2261</u>	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced June 23, 1964  
Drilling completed July 18, 1964  
Date Shot From To  
Open Flow /10ths Water in Inch  
/10ths Merc. in Inch  
Volume Cu. Ft.  
Rock Pressure lbs. hrs.  
bbls., 1st 24 hrs.  
WELL ACIDIZED  
WELL FRACTURED 1000 Bbls. water

CASING CEMENTED 4 1/2" SIZE 400 No. Ft. 7-20-64 Date  
2263 to 1863 75 SACKS CEMENT  
3 sacks Aquagel Garaton Service  
COAL WAS ENCOUNTERED AT FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT 25 Bbls. oil  
ROCK PRESSURE AFTER TREATMENT  
Fresh Water Feet Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Clay			0	90			
Red Rock			90	95			
Slate			95	100			
Red Rock			100	165			Water 1/2 Bailer Pr. Hr. 260'
Slate			165	198			
Sand			198	270			
Slate			270	275			
Red Rock			275	318			
Slate & Shells			318	360			Water 2 bailer Pr. Hr. 720 - 750 ft.
Lime			360	380			
Slate & Shells			380	400			
Red Rock			400	500			
Slate & Shells			500	525			
Gritty Lime			525	630			
Red Rock			630	645			
Slate & Shells			645	660			
Lime			660	700			
Sand			700	775			
Lime			775	810			
Slate & Shells			810	825			
Lime			825	870			
Broken Lime			870	1000			
Red Rock			1000	1020			
Slate & Shells			1020	1120			
Gritty Lime			1120	1150			
Red Rock			1150	1220			
Slate & Shells			1220	1245			
Lime			1245	1272			
Sand			1272	1305			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
late			1305	1320			
lime			1320	1331			
bed Rock			1331	1345			
and			1345	1370			
late & Shells			1370	1378	4/10 Gas in	1 1/2	Flow Meter
crystalline Lime			1378	1440			
late & Shells			1440	1480			
and			1480	1545			
Lime	Black	Hard	1545	1565			
and			1565	1700			
late & Shells			1700	1755			
broken Sand			1755	1815			
late & Shells			1815	1845			
lime			1845	1855			
and			1855	1908			
late & Shells			1908	1990	Oil 2145	- 2150	
bed Rock			1990	2009	Gas 2150	- 2160	
and			2009	2016	Gas 2160	- 2168	
lime			2016	2026			
broken Lime			2026	2033			
lime			2033	2048			
encil Cave			2048	2065			
ing Lime			2065	2145			
ing Injun Sand			2145	2240			
hale			2240	2268			

Date July 31, 19 64

APPROVED Spencer-Jackson Gas Company, Owner

By [Signature]  
(Title)