

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

Source of Elevation COTTRILL WELL - Dod-1227 ELV. 1035'

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. (4) Serial No. (3)  
 Elevation (Spirit Level) 832'  
 Quadrangle WEST UNION SC 32  
 County DODDRIDGE District CENTRAL  
 Engineer James J. Jeffers  
 Engineer's Registration No. 1084  
 File No. 210/42 Drawing No. \_\_\_\_\_  
 Date 8-7-65 Scale 1" = 500'

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

**WELL LOCATION MAP**  
 FILE NO. Dod-1287

+ 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.

6-6 89



11-29-65  
65

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 5

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle.....

DOD- 1287  
Permit No. ....

WELL RECORD

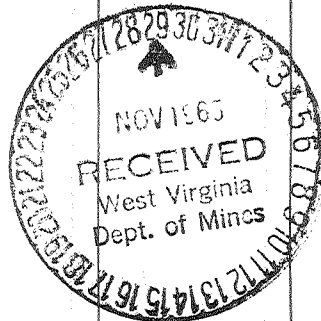
Oil or Gas Well Oil & Gas  
(KIND)

Company SPENCER-JACKSON GAS COMPANY.  
 Address P.O. Drawer 351, Clarksburg, W.Va.  
 Farm Herman H. Smith, et al. & Ernest Cottrill Acres 106  
 Location (waters) .....  
 Well No. #4 Elev. 832 ft.  
 District West Union County Doddridge  
 The surface of tract is owned in ~~part~~ by Ernest Cottrill  
Central, W. Va. Address .....  
 Mineral rights are owned by Herman H. Smith, et al  
203 Freeman Ave. Address West Union, W. Va.  
 Drilling commenced 9/17/65  
 Drilling completed 10/22/65  
 Date Shot..... From..... To.....  
 With.....  
 Open Flow /10ths Water in..... Inch  
 /10ths Merc. in..... Inch  
 Volume..... Cu. Ft.  
 Rock Pressure..... lbs..... hrs.  
 Oil..... bbls., 1st 24 hrs.  
 WELL ACIDIZED (DETAILS).....  
 WELL FRACTURED (DETAILS) 500 bbls. water  
 RESULT AFTER TREATMENT (Initial open Flow or bbls.) 100,000 cu. ft. gas-10 bbls. oil  
 ROCK PRESSURE AFTER TREATMENT 340 lbs. HOURS 12  
 Fresh Water..... Feet..... Salt Water..... Feet.....  
 Producing Sand..... Depth.....

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size 18 in. pipe used as conductor			Kind of Packer.....
16			
13			
10	196 ft.	-0-	Size of.....
8 1/4	543 ft.	-0-	
6 3/4	1008 ft.	-0-	Depth set.....
5 3/16			
4 1/2	1993 ft.	1993 ft.	
3			Perf. top.....
2			Perf. bottom.....
Liners Used.....			Perf. top.....
			Perf. bottom.....

Attach copy of cementing record.  
 CASING CEMENTED..... SIZE 4 1/2 in. No. Ft. 200 Date 10/27/65  
 Amount of cement used (bags) 35 bags  
 Name of Service Co. Halliburton  
 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	Remarks
Top Soil			0	12			
Lime			12	20			
Slate			20	28			
Red Rock			28	40			
Lime			40	73			
Red Rock			73	117			
Slate & Shells			117	150			
Red Rock			150	196			
Slate			196	205			
Red Rock			205	255			
Slate & Shells			255	290			
Red Rock			290	380			
Sand			380	435			
Slate & Shells			435	465			
Red Rock			465	480			
Slate & Shells			480	510			
Lime			510	550			
Slate & Shells			550	605			
Sand			605	640			
Red Rock			640	655			
Slate Shell			655	695			
Red Rock			700	771			
Sand			771	820			
Slate Shells			820	935			
Link Rock			935	950			
and			950	1018			
late			1018	1035			
und			1035	1110			



Water at 415 ft. - 3B per HR.

Formation	Color	Hard or Soft	Top 5'	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			1110	1125			
Slate & Shells			1125	1180			
Sand			1180	1250			
Slate & Shells			1250	1300			
Sand			1300	1415			
Slate & Shells			1415	1570			
Sand			1570	1620	Show of oil	-1862 to 1865	
Slate & Shells			1620	1723			
Lime			1723	1735			
Pencil			1735	1740	Show of oil & gas at	1882	
Lime			1740	1852		to 1888	
Sand			1852	1905			
Slate			1905	1923			
Sand			1923	1945			
Slate			1945	1985			

Date November 26, \_\_\_\_\_, 1965

APPROVED SPENCER-JACKSON GAS COMPANY, Owner

By \_\_\_\_\_

(Title)



Higgs-Johnston-Withrow, Beckley