

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

Minimum Error of Closure 1/2,000

Source of Elevation Sct. of Rock Run Road & Annals Creek Road  
1 mile ± N.E. of location

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.

Signed: Paul H. Dean

Map No.                      Squares:    N            S            E            W

Company HUGH K. SPENCER

Address WEST UNION, W.VA.

Farm W. R. & MARY SMITH ESTATE

Tract 1 Acres 217± Lease No. \_\_\_\_\_

Well (Farm) No. SEVEN Serial No. \_\_\_\_\_

Elevation (Spirit Level) 1090

Quadrangle WEST UNION 5C

County DEARBORN District CENTRAL

Engineer Paul H. Dean

Engineer's Registration No. 1856

File No. 136-9-23 Drawing No. 67-4

Date Jan. 27, 1967 Scale 1" = 40P = 660'

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

**WELL LOCATION MAP**

FILE NO. DOD-1435

† 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.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage

WELL RECORD

Oil or Gas Well OIL & GAS  
(KIND)

Permit No. DOD-1435

Company Hugh Spencer  
Address West Union, W. Va.  
Farm W. R. & Mary Smith Est. Acres 217  
Location (waters) \_\_\_\_\_  
Well No. Seven Elev. 1090  
District Central County Doddridge  
The surface of tract is owned in fee by W. R. & Mary  
Smith Estate Address West Union, W. Va.  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling commenced April 11, 1967  
Drilling completed May 18, 1967  
Date Shot From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_

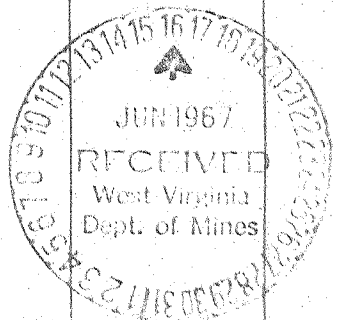
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	20	20	
13			Size of
10	124		
8 1/4	1022		Depth set
6 1/4			
5 3/16			Perf. top
4 1/2	2210	2210	Perf. bottom
3			Perf. top
2			Perf. bottom
Liners Used			

Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume Show Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. hrs.  
Oil Show bbls., 1st 24 hrs.  
WELL ACIDIZED (DETAILS) \_\_\_\_\_ FEET INCHES FEET INCHES  
WELL FRACTURED (DETAILS) 800 BBL. Water, 500 Gal. Mud Acid, 40,000 Lbs. Sand

Attach copy of cementing record.  
CASING CEMENTED 4 1/2" SIZE 2210 No. Ft. 5/18/67 Date  
Amount of cement used (bags) 100 Bags  
Name of Service Co. Garaton Well Service Co.  
COAL WAS ENCOUNTERED AT NONE FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 100,000 <sup>MCF</sup> Gas, 15 BBL. Oil Per Day  
ROCK PRESSURE AFTER TREATMENT 430 HOURS 24  
Fresh Water \_\_\_\_\_ Feet Salt Water \_\_\_\_\_ Feet  
Producing Sand Big Injun Depth 2105 - 2164

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	7			
Red Rock			7	16			
Sand Stone			16	25			
Red Rock			25	45			
Sand Stone			45	60			
Red Rock			60	95			
Sand			95	125			
Slate			125	140			
Lime			140	155			
Sand			155	170			
Slate & Shells			170	190			
Red Rock			190	260			
Broken Lime			260	270			
Lime			270	289			
Slate			289	295			
Lime			295	350			
Red Rock			350	360			
Lime			360	400			
Red Rock			400	420			
Lime			420	430			
Red Rock			430	475			
Gritty Lime			475	495			
Slate			495	500			
Lime			500	545			
Red Rock			545	555			
Lime			555	570			
Broken Lime			570	600			
Red Rock			600	620			



Formation	Color	Hard or Soft	Top /	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			620	630			
Sand			630	680			
Lime			680	700			
Sand			700	710			
Lime			710	720			
Red Rock			720	725			
Lime			725	775			
Slate			775	780			
Lime			780	810			
Broken Lime			810	900			
Red Rock			900	925			
Broken Lime			925	930			
Pink Rock			930	940			
Red Rock			940	990			
Broken Lime			990	1040			
Gritty Lime			1040	1050			
Sand			1050	1075			
Slate			1075	1100			
Red Rock			1100	1168			
Slate			1168	1200			
Lime			1200	1245			
Slate & Shells			1245	1295			
Gritty Lime			1295	1360			
Sand			1360	1390			
Slate & Shells			1390	1405			
Gritty Lime			1405	1420			
Sand			1420	1455			
Slate & Shells			1455	1467			
Gritty Lime			1467	1487			
Slate & Shells			1487	1500			
Sand			1500	1550			
Slate & Shells			1550	1595			
Sand			1595	1675			
Black Lime			1675	1755			
Sand			1755	1780			
Slate & Shells			1780	1800			
Sand			1800	1876			
Gritty Lime			1876	1900			
Slate & Shells			1900	1962			
Lime			1962	1968			
Red Rock			1968	1978			
Lime			1978	1997			
Little Lime			- 1997	2030			
Pencil Cave			2030	2033			
Big Lime			- 2033	2105			
Injun Sand			2105	2164			
Slate & Shells			2164	2189			
Squaw Sand			2189	2209			
Slate & Shells			2209	2216			
					Oil Show 1853 - 1856		
					Oil Show 2115 - 2120		
					Gas 2140 - 2164		

Date June 14, 1967

APPROVED \_\_\_\_\_, Owner

By Thos. Spencer  
(Title)