

Error of closure less than 1 part in 250

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.

New Location...
 Drill Deeper... 7-22-68
 Abandonment...

SOURCE OF ELEVATION: PRODUCING GAS WELL ON ADJOINING LEASE (Elev. 1180')

Company HUGH SPENCER
 Address SMITHBURG, W. VA.
 Farm SOPHIA HILEMAN
 Tract _____ Acres 22 Lease No. _____
 Well (Farm) No. ONE Serial No. _____
 Elevation (Spirit Level) ~~1000~~: 1085
 Quadrangle HOLBROOK NC
 County DODDRIDGE District SOUTHWEST
 Engineer R.W. Laird
 Engineer's Registration No. W. Va. 1938
 File No. _____ Drawing No. _____
 Date _____ Scale 1" = 20 POLES

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

WELL LOCATION MAP
 FILE NO. DOD-1459-DD

+ 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 3

Rotary
Spudder
Cable Tools
Storage

Quadrangle

WELL RECORD

Permit No. DOD-1459

Oil or Gas Well OIL
(KIND)

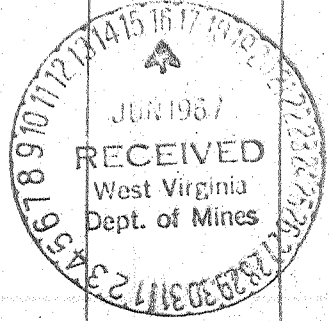
Company Hugh Spencer
Address West Union, W. Va.
Farm Sophia Hileman Acres 22
Location (waters)
Well No. One Elev. 1085'
District Southwest County Doddridge
The surface of tract is owned in fee by Sophia Hileman
and Others Address
Mineral rights are owned by Same
Address
Drilling commenced May 1, 1967
Drilling completed May 19, 1967
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil 10 bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) NO
WELL FRACTURED (DETAILS) NO

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	20		Kind of Packer
13			
10	212		Size of
8 1/4			
6 5/8	1362	1362	Depth set
5 3/16			
4 1/2			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED NO SIZE No. Ft. Date
Amount of cement used (bags)
Name of 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.) NOT TREATED
ROCK PRESSURE AFTER TREATMENT NOT TAKEN HOURS
Fresh Water Feet Salt Water Feet
Producing Sand None Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Yellow Clay			0	15			
Red Rock			15	28			
Lime			28	50			
Red Rock			50	72			
Slate			72	90			
Red Rock			90	110			
Lime			110	124			
Slate & Shells			124	160			
Red Rock			160	218			
Slate & Shells			218	240			
Black Slate			240	260			
Lime			260	288			
Sand			288	312			
Red Rock			312	360			
Lime			360	422			
Red Rock			422	469			
Lime			469	515			
Slate & Shells			515	587			
Lime			587	642			
Red Rock			642	721			
Sand			721	745			
Lime			745	767			
Pink Rock			767	781			
Lime			781	795			
Slate & Shells			795	810			
Lime			810	820			



Formation	Color	Hard or Soft	Top 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			820	835			
Pink Rock			835	855			
Lime			855	895			
Slate & Shells			895	940			
Lime			940	960			
Slate & Shells			960	980			
Big Lime			980	995			
Slate			995	1005			
Sand			1005	1032			
Slate			1032	1038			
Lime			1038	1078			
Slate & Shells			1078	1085			
Lime			1085	1166			
Sand			1166	1217			
Slate & Shells			1217	1265			
Sand			1265	1301			
Slate			1301	1306			
Lime			1306	1316			
Slate			1316	1326			
Sand <i>Spinel</i>			1326	1362			

Show of Oil 1296 - 1301

Oil 1334 - 1341

Date June 14, 1917

APPROVED _____, Owner

By Hugh Spencer
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Gas
~~Both~~
(KIND)

WELL RECORD

Quadrangle _____
Permit No. **DOD-1459-DD**

Company **Hugh Spencer**
Address **West Union, W. Va. 26456**
Farm **Sophia Hileman** Acres **22**
Location (waters) _____
Well No. **One** Elev. **1085 Ft**
District **Southwest** County **Doddridge**
The surface of tract is owned in fee by **Sophia Hileman & Others**
Mineral rights are owned by **Same**
Drilling commenced **September 2, 1968**
Drilling completed **September 6, 1968**

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	20		
10	212		Size of
8 1/4			Depth set
6 3/8	1362	1362	
5 3/16			Perf. top
4 1/2	2010	2010	Perf. bottom
3			Perf. top
2			Perf. bottom
Liners Used			

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure **Not taken** lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) **9-17-68 1300 Ebl. Water, 50,000 Lbs. Sand, & 500 Gal. Acid**
RESULT AFTER TREATMENT (Initial open Flow or bbls.) **500,000 Gas 500 McF**
ROCK PRESSURE AFTER TREATMENT **375** HOURS **24**
Fresh Water _____ Feet Salt Water _____ Feet
Producing Sand **Big Injun** Depth _____

Attach copy of cementing record.
CASING CEMENTED **4 1/2" SIZE 1994** No. Ft. **9-6-68** Date
Amount of cement used (bags) **60**
Name of Service Co. **Garaton Cementing Co.**
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			1362	1380			
Shale			1380	1403			
Sand			1403	1415			
Shale & Sand			1415	1513			
Sand			1513	1572			
Sand & Shale			1572	1580			
Sand			1580	1587			
Shale			1587	1598			
Sand			1598	1613			
Sand & Shale			1613	1704			
Shale			1704	1730			
Sand			1730	1764			
Shale			1764	1786			
Shale & Lime			1786	1809			
Lime & Sand			1809	1815			
Shale			1815	1827			
Sand & Lime			1827	1895			
Sand			1895	1994			
TD			1994				

Big Injun

1994
1362

632

