



Minimum Error of Closure 1 in 200'
 Source of Elevation Elevation Well No. 10793, Hope Gas Co. = 827

- Fracture.....
- 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.

Signed: *W. H. Hester*
 Map No. _____ Squares: N S E W

Company JOHN R. WARREN, dba WARREN DRILLING Co.
 Address United Founders Tower, Oklahoma City
 Farm Edward G. Smith
 Tract _____ Acres 323.8 Lease No. _____
 Well (Farm) No. Warren No. 1 Serial No. _____
 Elevation (Spirit Level) 1173
 Quadrangle Centerpoint
 County Doddridge District McClellan
 Engineer *W. H. Hester*
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Oct 16, 1970 Scale 1" = 800' = 1320'

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

WELL LOCATION MAP

FILE NO. DOD-1606

+ 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.



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL & GAS DIVISION
OIL AND GAS WELLS DEPT. OF MINES

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Centerpoint

Permit No. DOD 1606

WELL RECORD

Oil or Gas Well

G. HOLL
GAS
(KIND)

Company JOHN R. WARREN DBA WARREN DRILLING CO.
Address 1215 UNITED FOUNDERS BUILDING
OKLAHOMA CITY, OKLAHOMA 73112
Farm Edward G. Smith (Blackhears) 333.8
Location (waters) Pike Fork
Well No. One Elev. 1173'
District McClellan County Doddridge
The surface of tract is owned in fee by Chancey Davis
Address Centerpoint, W. Va.
Mineral rights are owned by Edward G. Smith Hrs.
Address Salem, W. Va.

Drilling commenced 1/7/71
Drilling completed 2/26/71
Date Shot no From To
With no
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)

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	23'	23'	
13			
10	805'	805'	Cemented to surface
8 1/4	1587'		Size of
6 3/4	1912'		Depth set
5 3/16			
4 1/2	2256'	2256'	
3			Perf. top 2178
2			Perf. bottom 2179
Liners Used			Perf. top 2188
			Perf. bottom 2190

WELL FRACTURED (DETAILS) 960 Bbls. water, 320000 # 10-20 sand, 500 acid, 30 BPM at 2300psi
RESULT AFTER TREATMENT (Initial open Flow or bbls.) (1,187 mcf in 24 hrs. 1,187,000)
ROCK PRESSURE AFTER TREATMENT 700 psi HOURS 24
Fresh Water 1540-50 Feet Salt Water 1700-30 Feet
Producing Sand Big Tujun Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
top soil			0	5			
red rock			5	20			
sand			20	30			
red rock			30	70			
lime			70	135			
red rock			135	187			
lime			187	200			
red rock			200	212			
lime	hard		212	245			
slate&shells			245	260			
lime			260	325			
red rock			325	340			
slate&shells			340	375			
red rock			375	385			
slate&shells			385	410			
sand			410	505			
slate&shells			505	512			
slate&shells			512	520			blossom 512
sand			520	550			
lime			550	597			
red rock			597	606			
lime			606	660			
slate&shells	black		660	814			
sand			814	840	coal	776 - 781	
slate&lime			840	875			
OVER							

Formation	Color	Hard or Soft	Top /	Bottom	Oil, Gas or Water	Depth Found	Remarks
sand			875	910	gas	880-890	
slate&lime			910	979			
red rock			979	1035			
slate&shells			1035	1065			
red rock			1065	1085			
slate&shells			1085	1110			
red rock&lime			1110	1180			
slate&shells			1180	1241			
slate	black		1241	1254			
slate-shells			1254	1353			
sand			1353	1475			
slate-shell		gritty	1475	1510			
sand		broken	1510	1560	water	1540-50	
slate-shells			1560	1600			
sand		broken	1600	1625			
slate-shells			1625	1664			
sand			1664	1740	water	1700-30	
slate-shells	black		1740	1830			
sand			1830	1840			
sand		broken	1840	1845			
slate-shells			1845	1882			
sand			1882	1905			Maxon
lime-slate	black		1905	1935			
red rock			1935	1965			
slate			1965	1986			
red rock			1986	2028			
lime		gritty	2028	2060			Little Lime
slate			2060	2075			Bencil Cave
Lime			2075	2137			
lime			2137	2163			Bg Lime
sand			2163	2246			Big Injun
slate			2246	2257			
silt			2257	2270			Squaw
slate			2270	2281			
TD			2292				

Date March 26, 1971, 19

APPROVED Warren Drilling Company, Owner

By [Signature] Consultant
(Title)