



Minimum Error of Closure 1 in 200

Source of Elevation Elev. Hops Well 11327 = 822'

- 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: [Signature]
 Squares: N S E W

Map No.

Company	JOHN R. WARREN
Address	United Founders Tower, Oklahoma City, Okla.
Farm	J. P. Carr
Tract	Acres 273.5 Lease No.
Well (Farm) No.	One Serial No.
Elevation (Spirit Level)	1134
Quadrangle	Centerpoint WC
County	Doddridge District Grant
Engineer	[Signature]
Engineer's Registration No.	1227
File No.	Drawing No.
Date	August 3, 1971 Scale 1" = 600' 999'

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

WELL LOCATION MAP

FILE NO. 000-1632

+ 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 AND GAS WELLS DIVISION 3

OIL & GAS DIVISION
DEPT. OF MINES
Rotary
Spudder
Cable Tools
Storage
Oil or Gas Well Gas
(KIND)

Quadrangle Center Point
Permit No. DOD-1632

WELL RECORD

Company Warren Drilling Company
Address 1215 United Founders Tower, Okla. City
Farm J. P. Carr Acres 273
Location (waters) Big Flint
Well No. 1 Elev. 1134
District Grant County Doddridge
The surface of tract is owned in fee by Roy Hoskinson
Address _____
Mineral rights are owned by Alma Carr
Chester Wallace Address Salem, W. Va.
Drilling commenced 8-31-71
Drilling completed 9-4-71
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) 1200 bbls. of water, 56,000 lbs. of sand
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 1,100,000 ^{MCF} cu. ft.
ROCK PRESSURE AFTER TREATMENT 320 HOURS 72 hours
Fresh Water _____ Feet 98 - 102 Salt Water _____ Feet
Producing Sand Big Injun & Maxton Depth 1973 & 2140

Casing and Tubing Size	Used in Drilling	Left in Well	Packers
16			Kind of Packer _____
13			Size of _____
10			Depth set _____
8 1/4	286	286	
6 3/4			
5 3/16			
4 1/2	2273	2273	Perf. top <u>1973</u> ^{Maxton}
3			Perf. bottom <u>1982</u>
2			Perf. top <u>2140</u> ^{Injun}
			Perf. bottom <u>2233</u>

Attach copy of cementing record.
CASING CEMENTED 4 1/2" SIZE 2273 No. Ft. 9-5-71 Date
Amount of cement used (bags) 75
Name of Service Co. Dowell
COAL WAS ENCOUNTERED AT 126 FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			0	35			
Slate			35	75			
Sand			75	110	Water	98 - 102	
Slate			110	126			
Coal			126	127 1/2			
Sand			127 1/2	205			
Shale			205	270			
Slate			270	330			
Sand			330	390			
Red rock			390	430			
Slate			430	510			
Lime			510	585			
Sand			585	640			
Shale			640	710			
Red rock			710	820			
Sand			820	900			
Lime			900	960			
Shale			960	1030			
Shells & slate			1030	1080			
Sand			1080	1150			
Lime			1150	1220			
Red rock			1220	1300			
Sand			1300	1360			
Shale			1360	1410			
Slate			1410	1505			
Sand			1505	1610			
Red rock			1610	1660			
Lime			1660	1720			

Formation	Color	Hard or Soft	Top 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1720	1810			
Slate			1810	1890			
Red rock			1890	1950			
Shale			1950	1990	- maxton		
Slate			1990	2053			
Big Lime			2053	2118			
Sand Injan			2118	2254			
T D				<u>2254</u>			

Date October 14, 1971
 APPROVED Wayne Drilling Company, Owner
 By James F. Scott, Agt.
 (Title)