



Minimum Error of Closure 1 in 200  
 Source of Elevation Elev. Henhouse No. 1 = 983

- 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: *Michael J. [Signature]*  
 Squares: N S E W

Company JUSTIN M. HENDERSON  
 Address West Union, W. Va.  
 Farm (Justin M. Henderson)  
 Tract Acres 164 ac. Res. Lease No. 5 of 1500  
 Well (Name) [Redacted]  
 Elevation (Spirit Level) 1036  
 Quadrangle Holbrook NE  
 County Doddridge District Southwest  
 Engineer *Michael J. [Signature]*  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date July 22, 1973 Scale 1" = 40 poles = 660'

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

**WELL LOCATION MAP**

FILE NO. DOD-1748

+ 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.

47 017



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 2

**RECEIVED**  
FEB 6 1974  
OIL & GAS DIVISION  
DEPT. OF MINES

Quadrangle Holorook  
Permit No. DODD-1748

Rotary  Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb.  c. No. 11  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Company <u>Justin M. Henderson</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>108 Wood St. west Union, W. Va.</u>				
Farm <u>Bluestone</u> Acres <u>1500</u>				
Location (waters) <u>Bluestone Creek, Scalehouse</u>				
Well No. <u>Black Squaw #1</u> Elev. <u>1036</u> Run Size <u>20-16</u>				
District <u>Southwest</u> County <u>Doddridge</u> Cond. _____				
The surface of tract is owned in fee by <u>Justin M. Henderson</u>	<u>13-10" 13 3/8</u>	<u>21'</u>	<u>21'</u>	90(Sks) 1.20 2% 0-33
Address <u>108 Wood St., West Union, W. Va.</u>	<u>9 5/8 10 3/4</u>	<u>223'</u>	<u>223'</u>	
Mineral rights are owned by <u>Leeman Maxwell Hrs.</u>	<u>8 5/8</u>	<u>1209'</u>		
Address _____	<u>7</u>			
Drilling Commenced <u>Aug. 28, 1973</u>	<u>5 1/2</u>			
Drilling Completed <u>Oct. 22, 1973</u>	<u>4 1/2</u>	<u>2520'</u>	<u>2520'</u>	250(Sks) 112
Initial open flow <u>115,000</u> cu. ft. <u>show</u> bbls.	<u>3</u>			
Final production <u>825,400</u> ft. per day <u>6</u> bbls.	<u>2</u>			
Well open <u>4</u> hrs. before test <u>300</u> RP.	Liners Used			

Well treatment details: Cased off water at fresh water level 223'  
Attach copy of cementing record.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water 180' Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Blue Monday, Keener, Millum Depth see perf (over)  
Berea and Gordon

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	20	Water	
Red Rock			20	35	"	
Slate			35	85	"	35 to 75'
Red Rock			58	135		
Sand			135	165		
Red Rock			165	172		
Sand			172	200	water	180'
Slate & Shells			200	225		
Red Rock			225	250		
Slate & Shells			250	255		
Red Rock			255	260		
Lime Shells			260	315		
Slate			315	335		
Sand			335	341		
Slate & Shells			341	410		
Red Rock			410	420		
Sand			420	435		
Slate			435	445		
Red Rock			445	490		
Slate & Shells			490	515		
Sand			515	535		
Slate			535	540		
Red Rock			540	560		

Formation	Color	Hard or Soft	Top Feet <sub>2</sub>	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			575	625		
Slate & Shells			625	653		
Red Rock			653	710		
Slate & Shells			710	815		
Black Shale			815	821		
Black Slate			821	840		
Sand			840	850		
Slate			850	862		
Sand			862	890		
Lime			890	935		
Sand			935	978		
Slate & Shells			978	1050		
Black Slate			1050	1078		
Sand			1078	1107		
Slate			1107	1115	Water	1135'
Sand			1115	1175	Water	1135'
Slate			1175	1182		
Lime			1182	1250		
Sand			1250	1275		
Slate & Shells			1275	1305		
Gritty Lime			1305	1320		
Slate & Shells			1320	1325	Gas	1375'--1384
Sand			1325	1408	Gas	1375'--1384
Slate & Shells			1408	1520		
Pink Rock			1520	1525		
Lime Shells			1525	1545		
Red Rock			1545	1575		
Lime			1575	1609		
Blue Monday Sand	very H.		1609	1617	Oil	1609'-1617'
Slate	Soft		1617	1625		
Big Lime	Hard		1625	1632		perf. 1642-51 Keener
Sand Keener	Hard		1632	1647		1712-30 Injun
Lime	Hard		1647	1714		1752-56 Squaw
Inj. Sand	Hard		1714	1737		
Lime	Hard		1737	1743		
Sand - Squaw	M. Hard		1743	1785	Oil & Gas	1743'-1748'
Slate & Shells	M. Soft		1785	1975	Oil show	1843'-1848'
Sandy Shells	Hard		1975	2025		
Shale	Soft		2025	2275		Berea? perf. 2139-42
Slate & Shells	Med."		2275	2395		Gordon? in this interval
Slate	Med."		2385	2520		perf. 2370-74

offsets Dadd-45F

Gordon gas well

Date Dec. 23, 1973

APPROVED Justin M. Alexander, Owner  
 By Agst for Black Squaw well  
 (Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
JUL 27 1973 - CEN

Oil and Gas Division DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE July 25, 1973

Surface Owner Justin R. Henderson  
Address 103 Wood St.  
Mineral Owner Jane R. Henderson & Leeman  
Address Maxwell Heirs at West Union, W. Va.  
Coal Owner \_\_\_\_\_  
Address \_\_\_\_\_  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

Company Justin R. Henderson  
Address 103 Wood St. West Union, W. Va.  
Farm (Bluestone Farm) Acres 164 of 26456  
Location (waters) Bluestone Creek - ~~Seaboard~~  
Well No. "Black Squam" Source Henhouse No. 7-983  
Elevation 1234  
District Southwest County Doddridge  
Quadrangle Holbrook

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 12-13-73

INSPECTOR TO BE NOTIFIED M. W. M. Blessin  
Box 1857 PH. Fairmont  
Calfax, W. Va. 363-9105  
26566

Robert L. Todd  
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated March 14 1939 by Leeman Maxwell made to John A. Connolly and recorded on the 12th day of June 1959 in Doddridge County, Book 19 Page 327

NEW WELL \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE  
\_\_\_\_\_ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

(Sign Name) Justin M. Henderson  
Well Operator

Address of Well Operator

103 Wood St.  
Street  
West Union, W. Va.  
City or Town  
W. Va. 26456  
State

\*SECTION 3 . . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

Quadd - 1748 PERMIT NUMBER  
47-017

THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO  DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME Hugh Spencer NAME Justin L. Henderson  
 ADDRESS Rock Run Route-West Union, W. Va. ADDRESS 104 Wood St., West Union, W. Va.  
 TELEPHONE 373 2331 TELEPHONE 304-373-1441 26456  
 ESTIMATED DEPTH OF COMPLETED WELL: 2500' ROTARY \_\_\_\_\_ CABLE TOOLS   
 PROPOSED GEOLOGICAL FORMATION: Gordon  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB.  STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	<u>300'</u>	<input checked="" type="checkbox"/> <u>300' approx.</u>	<u>To Surface</u>
7			
6 1/2			
4 1/2	<input checked="" type="checkbox"/> <u>Production string</u>	<u>2500'</u>	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS not known  
 IS COAL BEING MINED IN THE AREA? no. BY WHOM? \_\_\_\_\_

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

\_\_\_\_\_  
For Coal Company

\_\_\_\_\_  
Official Title