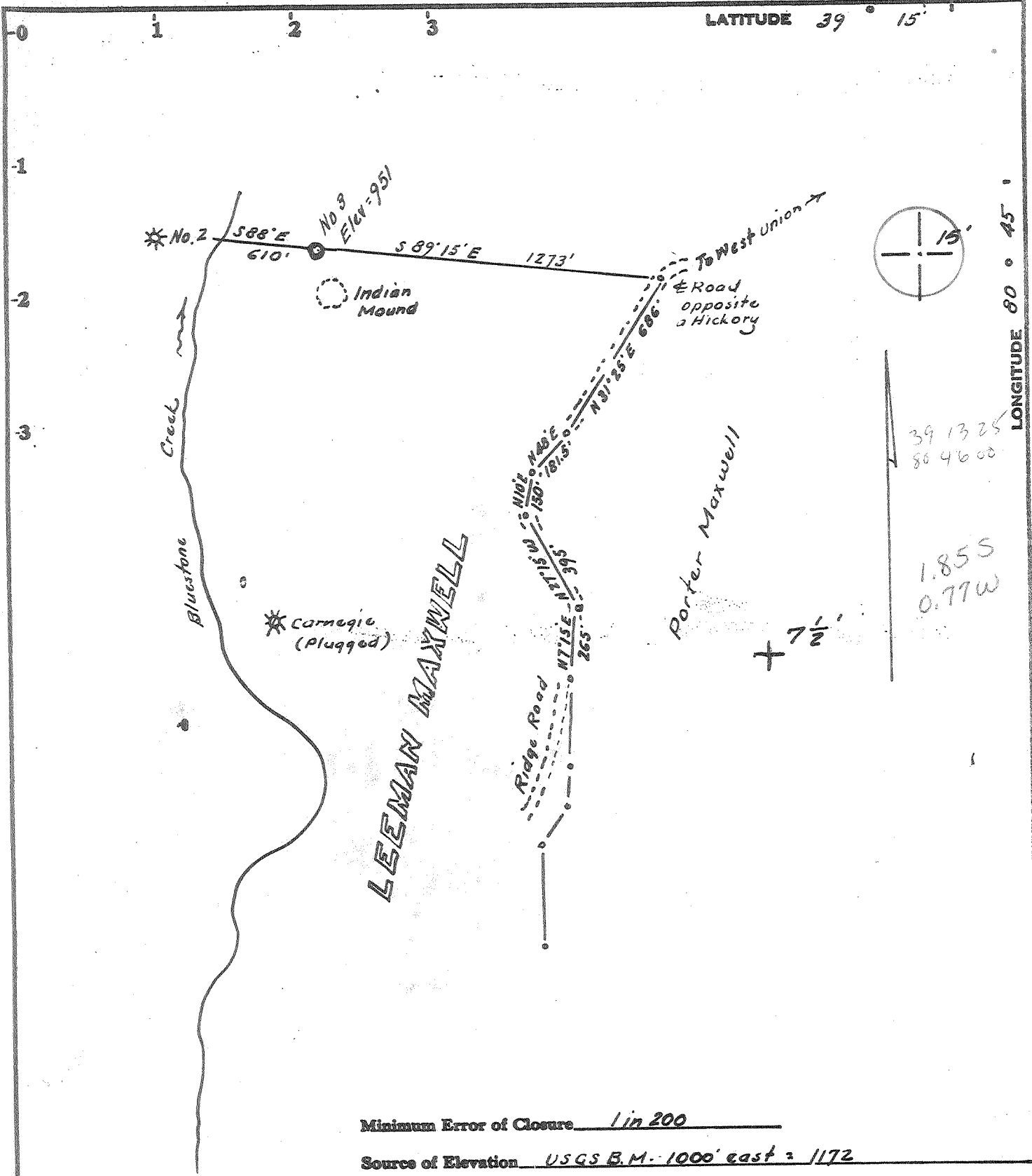


6/29/77 *R*



Minimum Error of Closure 1 in 200  
 Source of Elevation USGS B.M. 1000' east = 1172

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.

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

Signed: *W. Steer*  
 Squares: N S E W

Map No. \_\_\_\_\_

Company INDIAN MOUND NO 3 WELL  
J. M. HENDERSON AGENT  
 Address 108 WOOD STREET  
West Union, W. Va.  
 Farm Leeman Maxwell 3164 ac  
 Tract \_\_\_\_\_ Acres 3164 Lease No. \_\_\_\_\_  
 Well (Farm) No. Indian Mound No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 951 NE  
 Quadrangle Oxford 7 1/2, HOLBROOK 15'  
 County Doddridge District West Union  
 Engineer W. Steer  
 Engineer's Registration No. 1227 LLS No 700  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date April 23, 1977 Scale 1" = 500'

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

WELL LOCATION MAP  
 FILE NO. DODD-1865

+ Denotes location of well on United States Topographic Maps, scale 1 to 25,000 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**

1979  
OFFICE OF THE SUPERVISOR  
DEPARTMENT OF MINES

Quadrangle Holbrook  
Permit No. Doddridge 1865

Rotary x Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas x \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Company Justin M. Henderson  
Address 108 Wood St., West Union, WV  
Farm Leeman Maxwell Acres 3164  
Location (waters) Bluestone Creek  
Well No. Indian Mound No. 1 Elev. 951  
District Southwest County Doddridge  
The surface of tract is owned in fee by \_\_\_\_\_  
Justin M. Henderson  
Address 108 Wood St., West Union, WV  
Mineral rights are owned by Justin M. Henderson  
et al. Address Same  
Drilling Commenced 10/17/77  
Drilling Completed 10/23/77  
Initial open flow 1,061,000 cu. ft. 0 bbls.  
Final production 150,000 cu. ft. per day - bbls.  
Well open 12 hrs. before test 1650 RP.  
Well treatment details: Well hydrofractured by  
Dowell Well on 11/3/77

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8	190'	190'	106 CFT
8 5/8	1430'	1430'	<del>106</del> CFT
7			
5 1/2			
4 1/2	4966'		<del>160</del> CFT
3			
2			
Liners Used			

Attach copy of cementing record. See Attached

1 stg. Alexander Total Fluid 945 bbls. Sand 39,000 lbs. 20/40; 15,000 lbs. 80/100  
2nd stg. Benson Total Fluid 800 bbls. Sand 23,000 lbs. 20/40; 15,000 lbs. 80/100

Coal was encountered at None Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 1/2" stream \_\_\_\_\_ Feet 90 Salt Water None Feet \_\_\_\_\_  
Producing Sand Benson; Alexander Depth 4524-4528; 4806-4870

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay, sand and shale			0	1477		
Big Lime			1477	1646		
Big Injun			1646	1664		
Sand & Shale			1664	1818		
Weir			1818	1920		
Sand & Shale			1920	2015		
Berea			2015	2028		
Sand & Shale			2028	2222		
Gordon			2222	2258		
Sand & Shale			2258	2890		
Warren			2890	3018		
Sand & Shale			3018	4524		
Benson			4520	4530	Gas & Oil	
Sand & Shale			4530	4802		
Alexander ✓			4802	4874	Gas & Oil	
Sand & Shale			4874	4966	T.D.	

4966  
4530  
436 ft.  
exploratory

(over)

\* Indicates Electric Log tops in the remarks section.

Under lease or grant dated the 7th day of October, 1898, by W. Brent Maxwell and Lillie J. Maxwell, his wife, unto The Carter Oil Company, subsequently Consolidated Gas Supply Corporation. This lease was recorded on the 15th. day of September, 1899, in Deed or Lease Book 14 at Page 376, in the Office of the County Clerk of Doddridge County, West Virginia,

Allegheny Land and Mineral Company is vested with the drilling rights, in the subject lease, by virtue of an agreement dated the 21st. day of March, 1977, granted by Consolidated Gas Supply Corporation.

GW



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
JUN 29 1977  
OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE June 27 1977  
Company Indian Mount #1 Well,  
Justin M. Henderson, owner  
Address \_\_\_\_\_  
Farm Leamon Acres 3164  
Mapwell  
Location (waters) Bluestone Creek  
Well No. Indian Mount Well #1 Elevation 957  
District Seat Union County Doddridge  
Quadrangle Section 72

Surface Owner Justin M. Henderson  
Address 100 Wood St., West Union, W. Va.  
Mineral Owner Justin M. Henderson, Guy W. Henderson, and Lawrence S. Bennett, Inc.  
Address Seat Union, W. Va.  
Coal Owner None  
Address \_\_\_\_\_  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

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 11-5-77

Robert L. Jones  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Garrett  
PH: 622-3871 ADDRESS Clarksburg, W. Va.

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 June 14 1977 by George National Gas Company made to Justin Henderson and recorded on the June day of June 1977, in \_\_\_\_\_ County, Book \_\_\_\_\_ Page \_\_\_\_\_ Copy of letter sent w/form  
X \_\_\_\_\_ 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.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:  
West Virginia Geological and Economic Survey  
P. O. Box 879  
Morgantown, W. Va. 26505

Very truly yours,  
(Sign Name) Justin M. Henderson  
Well Operator  
100 Wood St.  
Address \_\_\_\_\_ Street \_\_\_\_\_  
of \_\_\_\_\_  
Well Operator Seat Union  
City or Town \_\_\_\_\_  
W. Va. 26436  
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.

BOND DRILL

Dodd-1865 PERMIT NUMBER  
47-017  
Jones

**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 C. S. Jack Drilling NAME Sam Jack  
 ADDRESS Buckhannon, W. Va. ADDRESS \_\_\_\_\_  
 TELEPHONE \_\_\_\_\_ TELEPHONE \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 4515' ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: \_\_\_\_\_  
 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 <u>77-3/4"</u>	<u>20'</u>		
9 - 5/8			
8 - 5/8	<u>1430'</u>	<u>Cement to Surface</u>	
7			
5 1/2			
4 1/2	<u>475'</u>		
3			Perf. Top
2	<u>750'</u>		Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60-70' FEET 7400' SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 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