



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

Source of Elevation WELL NO 4523, ELV. 903'

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.

Minimum accuracy, one part in 200

Company	WILLARD E. FERRELL	
Address	PHILADELPHIA, PA. Box 5056	
Farm	WM. ADAMS	
Tract	352 <sup>ac</sup> Acres	Lease No. _____
Well (Farm) No.	9	Serial No. 6
Elevation (Spirit Level)	999'	
Quadrangle	HOLBROOK <del>NE 33</del> 6C	
County	DODDRIDGE District SOUTHWEST	
Engineer	<i>James D. Jeffers</i>	
Engineer's Registration No.	1084	
File No	214/66	Drawing No. _____
Date	4-25-68	Scale 1" = 500'

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

**WELL LOCATION MAP**  
FILE NO. DOD-1517

+ 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.

RDME



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle.....

Permit No. DOD-1517

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company	<u>Willard E. Ferrell, Operator</u>		Casing and Tubing	Used in Drilling	Left in Well	Packers
Address	<u>P.O. Box 5056, Philadelphia, Pa. 19111</u>		Size			
Farm	<u>Wm. Adams</u>	Acres <u>402</u>	16	16	16	Kind of Packer
Location (waters)	<u>Straight Fork</u>		13	196	196	Size of
Well No.	<u>Farm # 9 -- Series # 6</u>		10	1138		Depth set
District	<u>Southwest</u>	County <u>Doddridge</u>	8 1/4			
The surface of tract is owned in fee by <u>F.A. Cox &amp; M. Day</u>			6 3/4	1855	1855	
Address <u>Auburn, W.Va.</u>			5 3/16			
Mineral rights are owned by <u>Wm. Heirs-Union National Bank</u>			4 1/2			
Trustee <u>Clarksburg, W.Va.</u>			3			Perf. top
Drilling commenced <u>July 31, 1968</u>			2			Perf. bottom
Drilling completed <u>Aug. 23, 1968</u>			Liners Used			Perf. top
Date Shot From To						Perf. bottom

Open Flow 12 /10ths Water in 1 Inch  
 /10ths Merc. in 40M Inch  
 Volume 40M Cu. Ft.  
 Rock Pressure Not taken lbs. hrs.  
 Oil Not taken bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS) \_\_\_\_\_ FEET INCHES FEET INCHES  
 \_\_\_\_\_ FEET INCHES FEET INCHES

WELL FRACTURED (DETAILS) Aug. 28, 1968 with 810 bbls fluid- 500 gal acid 50M lbs sand.  
using two jet pumpers- injection rate 26 bbls per minute.

RESULT AFTER TREATMENT (Initial open Flow or bbls.) Approximately 1 1/2 million cuft

ROCK PRESSURE AFTER TREATMENT 760 HOURS 24 1,250.000 1250 McF

Fresh Water 70 Feet Salt Water \_\_\_\_\_ Feet

Producing Sand Big Injun Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	8			
Red Rock			8	25			
Sand			25	50			
Slate & Shells			50	75			
Red Rock			75	108			
Red Rock			108	270			
Slate & Shells			270	390			
Red Rock			390	415			
Slate			415	445			
Red Rock			445	535			
Sand			535	578			
Lime			578	607			
Slate & Shells			607	690			
Slate & Shells			690	780			
Sand			780	854			
Slate & Shells			854	1080			
Sand			1080	1092			
Block Slate			1092	1096			
Sand ( Broken)			1096	1234			
Slate			1234	1470			
Sand			1470	1540			
Lime			1540	1595			
Red Lime			1595	1636			
Slate			1636	1670			
Sand			1670	1691			
Lime			1691	1756			
Sand			1756	1787			
Lime (Gritty)			1787	1855			

*Big Injun*



Total Depth 1855 Total Depth 1855 SEP 16 1968