

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

Source of Elevation WELL NO 4523, ELV. 983'

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	Acres 402	Lease No. _____
Well (Farm) No.	6	Serial No. 3
Elevation (ft Level)	1137	
Quadrangle	HOLBROOK NE 34 EC	
County	DODDRIDGE	District SOUTHWEST
Engineer	<i>James J. Hoffman</i>	
Engineer's Registration No.	1084	
File No.	213/50	Drawing No. _____
Date	11-14-67	Scale 1" = 500'

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

WELL LOCATION MAP  
FILE NO. DOD-1500

+ 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.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle.....

Permit No. DOD 1500

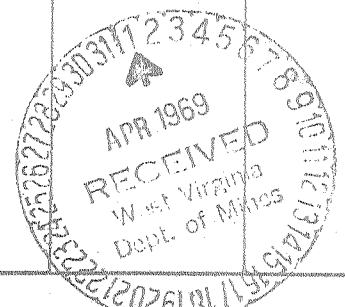
**WELL RECORD**

Oil or Gas Well..... (KIND)

Company Starlight Dev. Co. Series 3, Willard E. Ferre Agent  
 Address P.O. Box 5056, Philadelphia, Pa. 19111  
 Farm William Adams Acres 402  
 Location (waters) Straight Fork  
 Well No. Series 3 (Farm 6) Elev. 1137  
 District Southwest County Doddridge  
 The surface of tract is owned in fee by Adam heirs  
Auburn Address W.Va.  
 Mineral rights are owned by Adam heirs  
Union Nat. Bank-Trustee Address Clarksburg, W.Va.  
 Drilling commenced March 15, 1968  
 Drilling completed April 7, 1968  
 Date Shot 3/12/69 From 1951 To 1965  
 With.....  
 Open Flow 6/10ths Water in 1 Inch  
/10ths Merc. in Inch  
 Volume 25M Cu. Ft.  
 Rock Pressure 460 lbs. 24 hrs.  
 Oil..... bbls., 1st 24 hrs.  
 WELL ACIDIZED (DETAILS).....  
 WELL FRACTURED (DETAILS) 750 bls fluid- River frac. 60M sand 500 gal acid  
 RESULT AFTER TREATMENT (Initial open Flow or bbls.) 850 M 850,000  
 ROCK PRESSURE AFTER TREATMENT 725 HOURS 12  
 Fresh Water Surface only Feet..... Salt Water..... Feet.....  
 Producing Sand..... Big Injun Depth 1951

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	15	15	
13			
10	213	213	Size of
8 1/4	736		
6 3/4	1192		Depth set
5 3/16			
4 1/2	2040	2040	
3			Perf. top 1954
2			Perf. bottom 1964
Liners Used			Perf. top
			Perf. bottom

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top Soil			0	15			
Clay			15	48			
Sand			48	70			
Red Rock			70	80			
Slate			80	135			
Sand			135	179			
Slate & Shells			179	290			
Red Rock			290	465			
Lime			465	490			
Slate & Shells			490	609			
Red Rock			609	745			
Sand			745	815			
Slate & Shells			815	1040			
Sand			1040	1090			
Slate & Shells			1090	1192			
Lime			1192	1213			
Sand			1213	1350			
Slate & Shells			1350	1493			
Lime			1493	1530			
Sand			1530	1744			
Slate & Shells			1744	1794			
Sand			1794	1815			
Lime			1815	1868			
Sand (br)			1868	1895			
Lime			1895	1946			
Oil			1946	1951			
Lime			1951	1968			
Sand			1968	2035			
Sand			2035	2045			
total Depth			2045				



APR 08 1969



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Quadrangle \_\_\_\_\_  
Permit No. DOD 1500

Company Starlight Dev. Co. Series 3, Willard E. Ferrell, Agent  
Address P.O. Box 5056, Philadelphia, Pa. 19111  
Farm Wm. Adams Acres 402

Location (waters) \_\_\_\_\_  
Well No. Series # 3- Farm # 6 Elev. 1135  
District Southwest County Doddridge

The surface of tract is owned in fee by F.A. Cox & M. Day RFD.  
Address Auburn

Mineral rights are owned by Wm. Adams heirs  
Union National Bank-Trustee, Clarksburg  
Address \_\_\_\_\_

Drilling commenced March 16, 1968  
Drilling completed April 8, 1968

Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_

Open Flow 8 10ths Water in \_\_\_\_\_ 1 Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 35 Cu. Ft.

Rock Pressure Not taken lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.

WELL ACIDIZED \_\_\_\_\_

WELL FRACTURED April 12, 1968 800 bbls fluid- 40000 lbs sand

RESULT AFTER TREATMENT 1 1/2 million cuft. 1,500 MCF Big Injun

ROCK PRESSURE AFTER TREATMENT 700

Fresh Water \_\_\_\_\_ Feet 1060 Salt Water \_\_\_\_\_ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top Soil			0	15			
Clay			15	48			
Sand			48	70			
Red Rock			70	135			
Sand			135	179			
Slate & Shells			179	465			
Lime			465	490			
Slate & Shells			490	745			
Sand			745	815			
Slate & Shells			815	882			
Red Rock			882	935			
Slate & Shells			935	1263			
Slate			1263	1310			
Sand			1310	1350			
Slate & Shells			1350	1712			
Sand (Maxton)			1712	1744			
Slate & Shells			1744	1794			
Sand			1794	1815			
Lime			1815	1825			
Slate			1825	1847			
Lime			1847	1868			
Sand (B.M.)			1868	1895			
Lime			1895	1946			
Blk. Lime			1946	1951			
Lime			1951	1968			
Sand	Little Gas		1968	2035			
Slate	Big Injun		2035	2045			
			Total Depth	2045			

