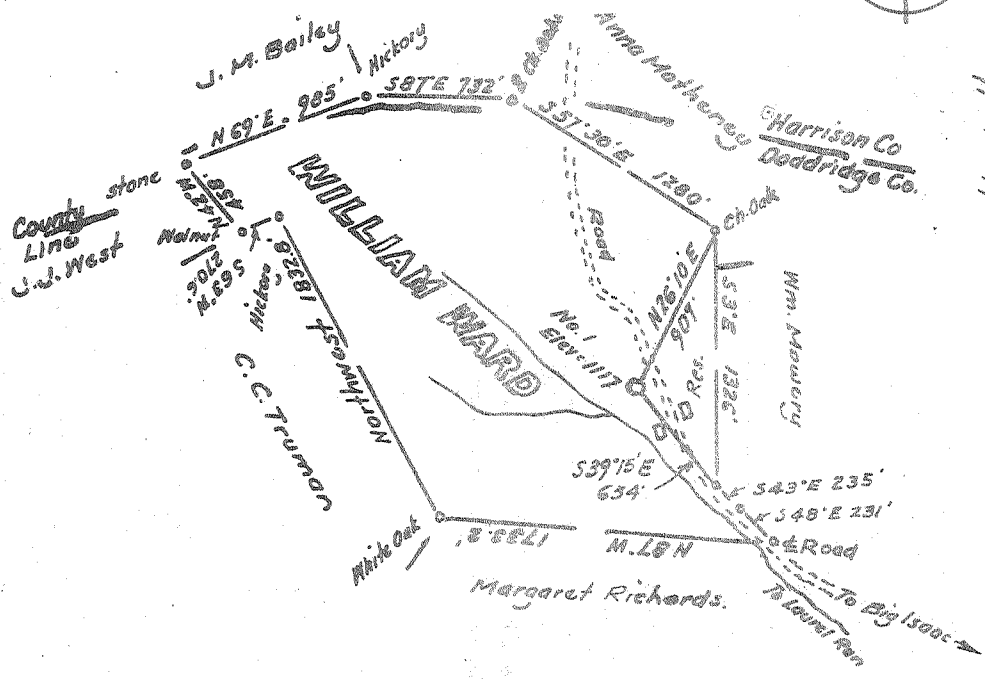


LATITUDE 39° 15'

1 2 3



2.455
2.07W

LONGITUDE 80° 32' 130"

39 12 50
80 32 20

2.23
1.58 W
2.633
0.08 W
7/2 +

Surface is owned by:-
William C. Jordan
Route 3, Salem, West Va.
No coal

Minimum Error of Closure 1 in 200'

Source of Elevation USGS elev at mouth of run 4000 SE = 1016

- 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: M. J. Mabbett
Squares: N S E W

Map No. _____

Company DALE ADKINS & PUNGER GLASS

Address P.O. Box 5557 Huntington, W. Va.

Farm William Ward, William C. Jordan

Tract _____ Acres 100 Lease No. _____

Well (Farm) No. One Serial No. _____

Elevation (Spirit Level) 117

Quadrangle Big Isaac, Tadis 15' NE

County Doddridge District Greenbrier

Engineer M. J. Mabbett

Engineer's Registration No. 1227 LLS 200

File No. _____ Drawing No. _____

Date Feb 2, 1978 Scale 1" = 1000'

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

WELL LOCATION MAP
FILE NO. DOD-1893

+ Denotes location of well on United States Topographic Maps, scale 1 to ^{25,000}/_{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

WELL RECORD

API # 47-017-1893
Quadrangle Big Issac
Permit No. Dodd: 1893
Lease # 134

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company Dale Adkins, Operator
Address P.O. Box 5557, Huntington, W. Va.
Farm Wm. Ward Acres 100
Location (waters) Big Issac
Well No. # 1 (49K46) Elev 1117
District Greenbrier County Doddridge
The surface of tract is owned in fee by _____
Wm. Ward Heirs
Address Big Issac, W. Va.
Mineral rights are owned by Same
Address _____
Drilling Commenced 5/1/78
Drilling Completed 5/7/78
Initial open flow 20 MCF/AOF cu.-ft. _____ bbls.
Final production 1,125 MCF/AOF cu.-ft. per day _____ bbls.
Well open 24 hrs. before test 1200 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10"	30	30	
9 5/8			
8 5/8	1210	1210	320 sks
7			
5 1/2			
4 1/2	4959	4959	110 sks
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well fractured by HOWCO 6/20/78:

Breakdown: 1500#/Average pressure: 2550#/Average BPM: 33.8
Proppant: 49,500# 20/40 sand/675 BBLs. Sand Laden Fluid
Perforations: 4896 to 4810 - 48 holes
ISIP: Well screened out @ 4,000 # psi

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Benson Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			45	52		
Sand, shale	Red Rock		52	240		wet @ 190
Coal			240	242		
Sand & Shale			242	567		
Coal			567	570		
Sand & Shale			570	655		
Coal			655	657		
Sand ans Shale			657	1020		
Coal			1020	1023		
Sand and Shale			1023	1970		
Big Lime			1970	2060		
Big Injun			2060	2100		
Sand and Shale			2100	4896		Gas @ 4785
Benson			4896	4810		Gas @ 4940
Sand and Shale			4810	4986		
			4986			

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED
APR 27 1978
OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE March 1, 1978

Surface Owner William C. Jordan

Company Dale Adkins & Pilgrim Glass

Address Route 2, Salem, West Virginia

Address P.O. Box 5557, Huntington, W. Va.

Mineral Owner Ethel Ward et al

Farm William Ward Acres 100

Address 125 Nicholas St. Clarksburg, W. Va.

Location (waters) Big Issac

Coal Owner Consolidated Coal

Well No. One Elevation 1117

Address P.O. Box 1314, Morgantown, W. Va.

District Greenbrier County Doddridge

Coal Operator not applicable

Quadrangle Big Issac

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 8-28-78.

INSPECTOR

TO BE NOTIFIED Paul Garrett

ADDRESS Clarksburg, W. Va.

PHONE 622-3871

Robert T. Cook
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 November 21 1977 by Ethel Ward et al made to Dale Adkins, Inc. and recorded on the 30th day of January 1978, in Harrison County, Book 1063 Page 192

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, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours, Dale Adkins
(Sign Name) [Signature]
Well Operator
P. O. Box 5557
Street
Huntington
City or Town
West Virginia 25703
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.

DO NOT DRILL

DODD-1893 PERMIT NUMBER

47-017

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by [Signature]

[Handwritten mark]

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 _____ NAME _____
 ADDRESS _____ ADDRESS _____
 TELEPHONE _____ TELEPHONE _____
 ESTIMATED DEPTH OF COMPLETED WELL: _____ 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			
9 - 5/8			
8 - 5/8			
7			
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? _____ 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