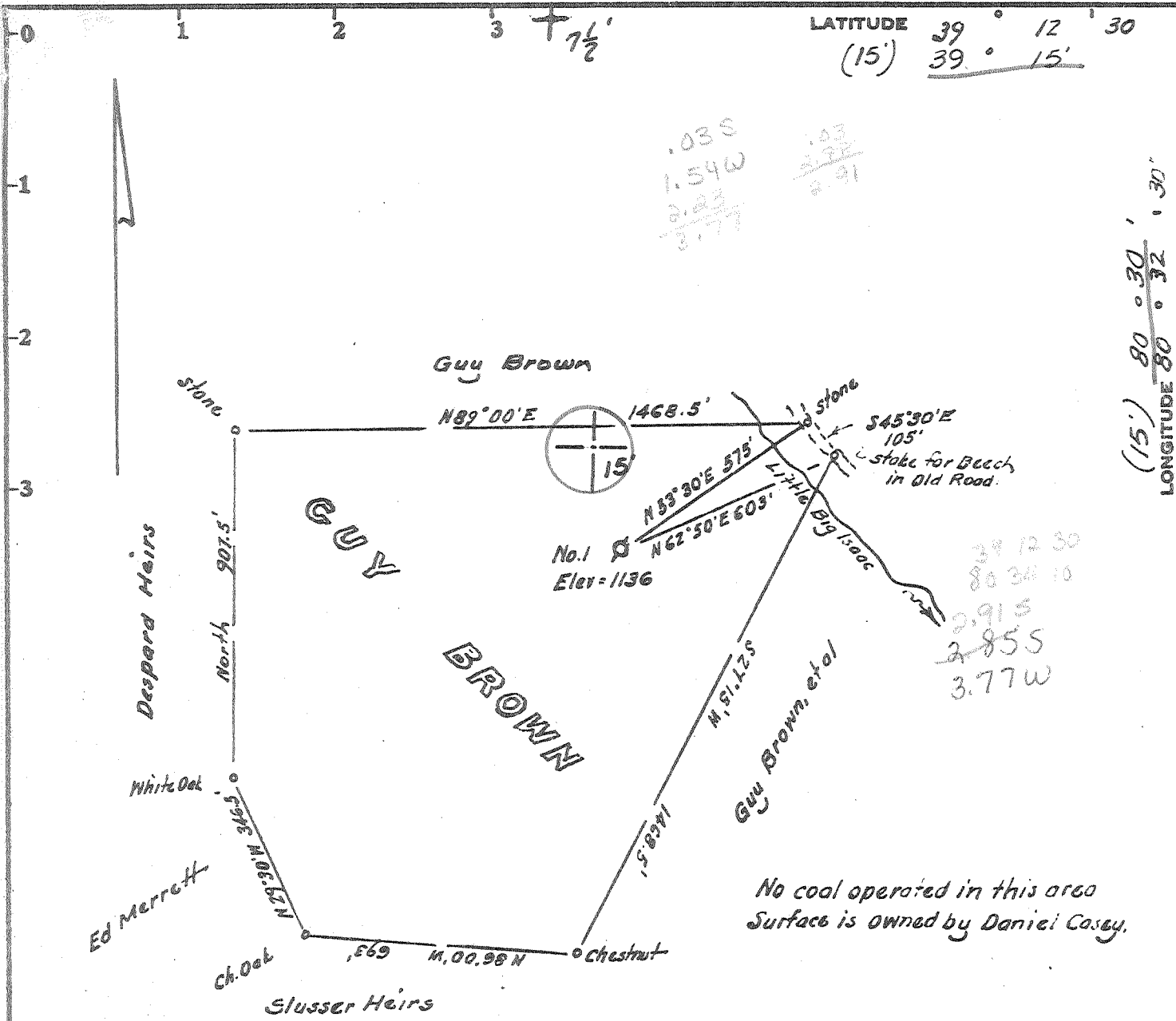


LATITUDE 39° 12' 30"
(15') 39° 15'

LONGITUDE 80° 32' 30"
(15') 80° 30' 30"



Minimum Error of Closure 1 in 200

Source of Elevation USGS elev at mouth of Big Isaac = 944'

- 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: [Signature]
Squares: N S E W

Map No.

Company	<u>DALE ADKINS / P.O.C.</u>		
Address	<u>Caredo W.Va.</u>		
Farm	<u>Guy Brown DANIEL CASEY</u>		
Tract	<u>Acres 33.75</u>	Lease No.	
Well (Farm) No.	<u>One</u>	Serial No. <u>K-27</u>	
Elevation (Spirit Level)	<u>1136</u>		
Quadrangle	<u>Big Isaac 7 1/2' Vadia 15' NE'</u>		
County	<u>Doddridge</u>	District <u>Greenbrier</u>	
Engineer	<u>[Signature]</u>		
Engineer's Registration No.	<u>1227</u>	<u>LLS 200</u>	
File No.	Drawing No.		
Date	<u>May 7, 1977</u>		
	Scale <u>1" = 400'</u>		

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

WELL LOCATION MAP

FILE NO. DODD-1866

+ 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



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle BIG ISSAC

Permit No. DODD-1866
47-017

Company <u>DALE ADKINS</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P.O. BX. 5557, HTGN., W. VA.</u>				
Farm <u>GUY BROWN</u> Acres <u>33.75</u>	Size			
Location (waters) <u>BIG ISSAC</u>	20-16			
Well No. <u>1 (K-27)</u> Elev. <u>1136</u>	Cond.			
District <u>GREENBRIER</u> County <u>DODDRIDGE</u>	13-10"			
The surface of tract is owned in fee by <u>DANIEL CASEY</u>	9 5/8			
Address <u>1925 S. Quicy St., Arlington</u>	8 5/8	1004	1004	280 sks.
Mineral rights are owned by <u>GUY BROWN</u>	7			
Address <u>BIG ISSAC, W. VA.</u>	5 1/2			
Drilling Commenced <u>7-25-77</u>	4 1/2	5161	5161	420 sks.
Drilling Completed <u>7-31-77</u>	3			
Initial open flow <u>80 MCF/Dcu. ft.</u> bbls.	2			
Final production <u>125 MCF/Dft. per day</u> bbls.	Liners Used			
Well open <u>24</u> hrs. before test <u>1825 #RP.</u>				

Well treatment details: BENSON FRACTURED PERFS: 39 holes, 4970 to 4980
 Attach copy of cementing record.
BREAKDOWN: 1900, AVERAGE BPM: 35, AVERAGE PRESSURE: 3100
1138 barrells sand-laden fluid, 63,000 # 20/40 sand
ISIP: 2100

Coal was encountered at 110 to 125 Feet _____ Inches
 Fresh water 1/2" stream @ 40 Feet _____ Salt Water 1" stream @ 640 Feet _____
 Producing Sand BENSON Depth 4970 to 4980

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	15		
Sand and Shale			15	110		1/2" stream @ 40'
Coal			110	125		
Sand, Shale, Red Rock			125	630		
Sand			630	695		1" stream @ 640'
Sand, Shale, Red Rock			695	2075		
Big Lime			-2075	2150		
Shells			2150	2175		
Big Injun			2175	2220		
Sand and Shale			2220	2765		
White Sand			2765	2810		
Sand and Shale			2810	3570		
Balltown			3570	3578		gas show
Sand and Shale			3578	4970		
Benson			-4970	4980		gas show
Sand and Shale			4980	5290		
T.D.			5290			

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

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OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner DANIEL CASEY
Address BIG ISSAC, WEST VIRGINIA
Mineral Owner CUY BROWN HEIRS
Address BIG ISSAC, WEST VIRGINIA
Coal Owner SAME AS MINERAL OWNER
Address SAME AS MINERAL OWNER
Coal Operator COAL NOT OPERATED
Address _____

DATE JULY 21, 1977
Company DALE ADKINS/P.C.C.
Address P.O. BOX 5557 HUNTON, W. VA.
Farm CUY BROWN Acres 33.75
Location (waters) BIG ISSAC
Well No. X-27 Elevation 1136
District GREENBRIER County DODDRIDGE
Quadrangle BIG ISSAC 7 1/2

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 11-13-77.

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

[Signature]
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 JUNE 20 19 77 by G. & G. INC. made to DALE ADKINS and recorded on the _____ day of _____ 19____, in DODDRIDGE County, Book _____ Page _____

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, 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
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

"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]

DODD-1866 PERMIT NUMBER

47-017

[Handwritten mark]

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME S.W. JACK, DRILLING, INC. NAME DALE ADKINS
 ADDRESS BUCHANON, WEST VIRGINIA ADDRESS P.O. BX. 5557, HTGN. W. VA.
 TELEPHONE _____ TELEPHONE 529-3436/824-7273/736-8900
 ESTIMATED DEPTH OF COMPLETED WELL: 4200 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: BENSON
 TYPE OF WELL: OIL _____ GAS X 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	1000	1000	100 lbs. circulated
7			
5 1/2			
4 1/2	4200	4200	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40 FEET SALT WATER 250 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