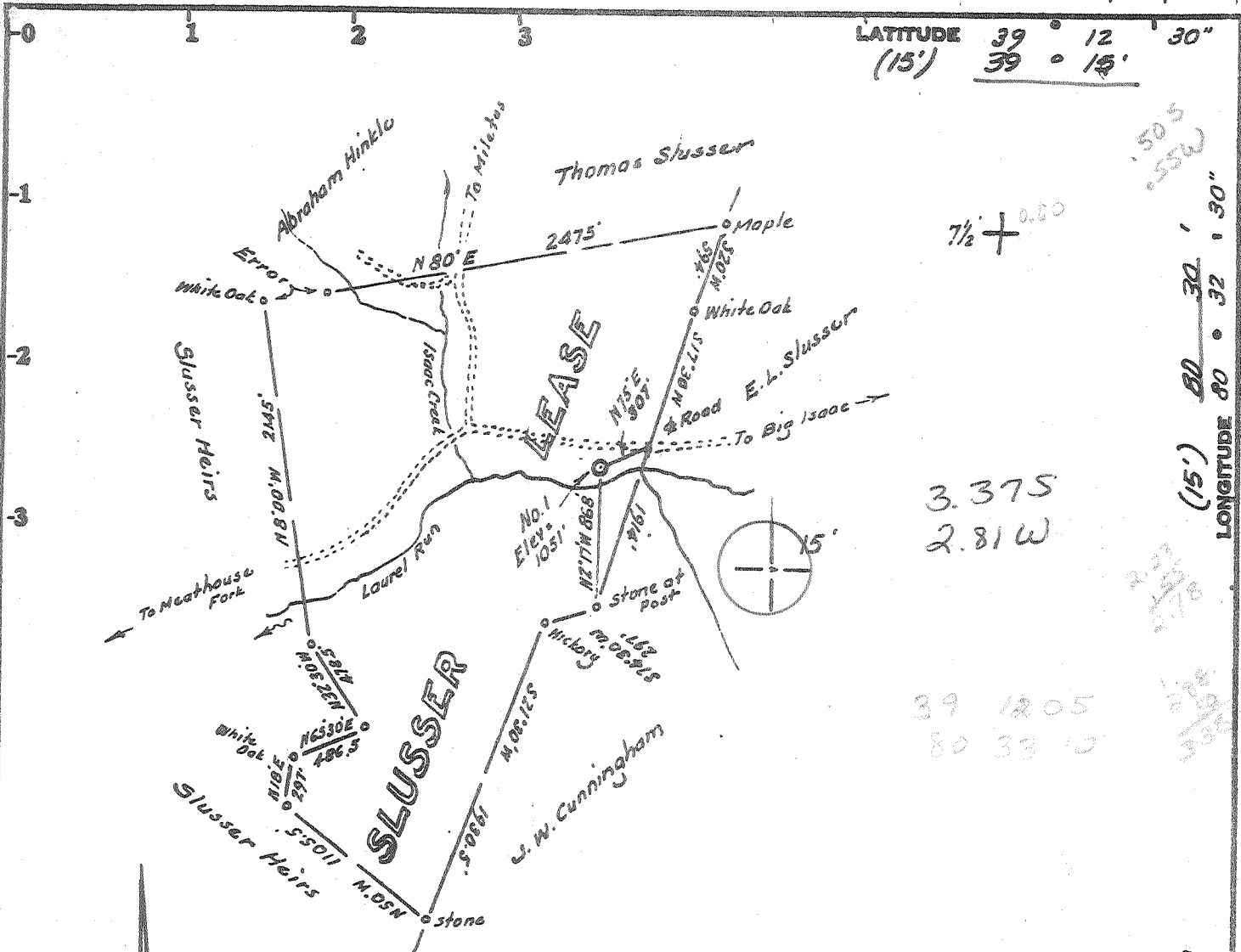
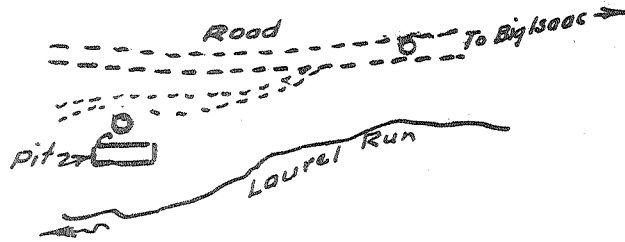


8/15/77 R



3.375
2.81 W
39 12 05
80 33 10

No coal is mined in this vicinity
Surface is owned by Sarah Slusser
Big Isaac, W.Va.
Oil & Gas is owned by Gertrude Sheets
and others.



ENVIRONMENTAL STATEMENT

Scale: -1" = 200'

Minimum Error of Closure 1 in 200'

Source of Elevation USGS B.M. at Big Isaac = 985'

- 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 Dale Adkins, & PRC
 Address Ceredo, W.Va.
 Farm Slusser Lease
 Tract _____ Acres 130 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 1051 NE
 Quadrangle Big Isaac 7 1/2', VADIS 15'
 County Doddridge District Greenbrier
 Engineer [Signature]
 Engineer's Registration No. 1777 L.L.S. 200
 File No. _____ Drawing No. _____
 Date August 12, 1977 Scale 1" = 1000'

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

WELL LOCATION MAP

FILE NO. DOD-1892
FORMERLY DOD-1872

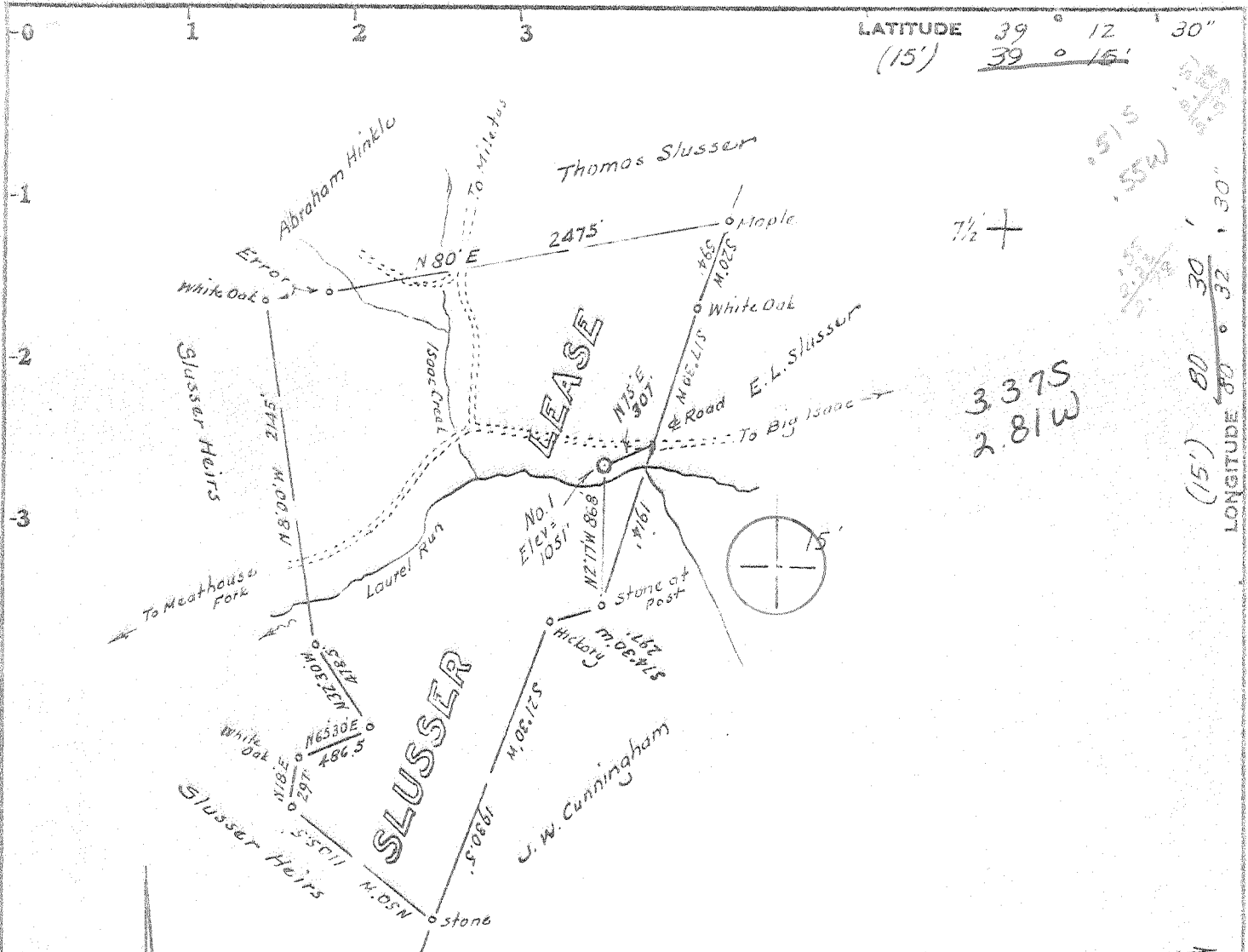
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

APR 28 1978

- Denotes one inch spaces on border line of original tracing.

47-017

8/15/77

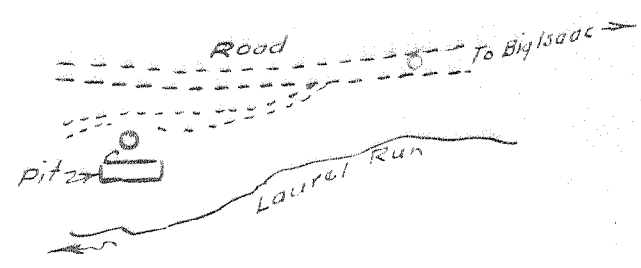


7 1/2 +

3375
281W

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

No coal is mined in this vicinity
 Surface is owned by Sarah Slusser
 Big Isaac, W.Va.
 Oil & Gas is owned by Gertrude Sheets
 and others.



ENVIRONMENTAL STATEMENT

Scale: -1" = 200'

Minimum Error of Closure 1 in 200'

Source of Elevation USGS B.M. at Big Isaac = 985'

- 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, & PGC</u>
Address	<u>Ceredo, W.Va.</u>
Farm	<u>Slusser Lease</u>
Tract	Acre <u>120</u> Lease No. _____
Well (Farm) No.	<u>One</u> Serial No. _____
Elevation (Spirit Level)	<u>1051</u> <u>NE</u>
Quadrangle	<u>Big Isaac 7 1/2, VADIS 15</u>
County	<u>Doddridge</u> District <u>Greenbrier</u>
Engineer	<u>[Signature]</u>
Engineer's Registration No.	<u>1227</u> <u>L.L.S 200</u>
File No.	Drawing No. _____
Date	<u>August 12, 1977</u> Scale <u>1" = 1000'</u>

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

WELL LOCATION MAP
was:
 FILE NO. DODD-1872
now: Dodd-1892

+ Denotes location of well on United States Topographic Maps, scale 1 to ^{62,500}/_{25,000}, 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

OIL AND GAS DIVISION
DEPT. OF MINES

API # 47-017-1892

WELL RECORD

Quadrangle Big Issac

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

Permit No. Dodd 1892
Lease # 000034

Company Dale Adkins, Operator
Address P.O. Box 5557, Huntington, W. Va.
Farm Sarah Slussar Acres 130
Location (waters) Big Issac
Well No. 1-40K38 Elev. 1051
District Greenbrier County Doddridge
The surface of tract is owned in fee by _____
Sarah Slussar
Address Big Issac, W. Va.
Mineral rights are owned by Gertrude Sheet, etal
Address Big Issac, W. Va.
Drilling Commenced 4/25/78
Drilling Completed 4/30/78
Initial open flow 120 MCF/AOF ft. _____ bbls.
Final production 800 MCF/AOF cu. ft. per day _____ bbls.
Well open 24 hrs. before test 1800 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	20	20	
9 5/8			
8 5/8	1013	1013	280 sks.
7			
5 1/2			
4 1/2	4890	4890	100 sks
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well Fractured 6/13/78 by Halliburton Services:
Breakdown: 2200/Average pressure: 2600/Average BPM: 346
60,000 # 20/240 Sand / 1014 BBLs. Sandladen fluid
perforations: 4694 to 4714 - 30 holes
ISIP: 1500 PSI

Coal was encountered at 950 Feet _____ Inches
Fresh water 90 Feet _____ Salt Water _____ Feet _____
Producing Sand Benson Depth 4694 to 4714

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	15		
Sand, slate & shale			15	100		wet @ 190
Coal			100	115		
Sand & Shale			115	450		
Coal			450	453		
Sand, Slate, Red Rock			453	1700		
Big Lime			1700	1925		
Shells			1925	1950		
Big Injun			1950	2010		Gas @ 1950
Sand & Slate			2010	3410		Oil @ 1956
Balltown			3410	3415		
Sand & Shale			3415	4696		
Benson			4696	4705		Gas @ 4705
Sand & Shale			4705	4768		
T.D.			4768			

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
APR 24 1978

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Sarah Slusher
Address Big Isaac, W. Va.
Mineral Owner Gertrude Sheet, et al
Address Big Isaac, W. Va.
Coal Owner Gertrude Sheet, et al
Address Big Isaac, W. Va.
Coal Operator Coal not operated
Address _____

DATE April 24, 1978
Company Dale Atkins & P. G. C.
Address P.O. Box 5557, Htgw., W. Va.
Farm Sarah Slusher Acres 130
Location (waters) Big Isaac
Well No. Slusher #1 (K-38) Elevation 1051
District Greenbrier County Doddridge
Quadrangle Big Isaac 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 8-24-78

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS 321 Beech St. Clarksburg, W. Va. 26301
PHONE 622-3871

Robert H. Jones
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 _____ 19____ by C. W. Motehalknows made to Dale Atkins, Inc. and recorded on the _____ day of _____ 19____, in _____ County, Book _____ Page _____

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,
(Sign Name) m. Dale
Well Operator

P.O. Box 5557
Street
Huntington
City or Town
W. Va. 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.

(FORMERLY: DOD-1872)

CASH DEPOSIT
HELD BY OPERATOR

DOD-1892 PERMIT NUMBER

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 Bohannon, W. Va. ADDRESS P.O. Box 5557, Hfgn, W. Va.
 TELEPHONE _____ TELEPHONE 732-8900/529-3426/824-7273
 ESTIMATED DEPTH OF COMPLETED WELL: 5,000 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	LIFT IN WELL	CEMENT LIFT UP OR SACKS - CUBIC FT
20 - 16			
13 - 10	90	90	
9 - 5/8			
8 - 5/8	1,000	1,000	250 sks
7			
5 1/2			
4 1/2	5,000	5,000	300 sks. pz
3			Perf. Top
2			Perf. Bottom
liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 90 FEET SALT WATER 150 FEET
 APPROXIMATE COAL DEPTHS 450
 IS COAL BEING MINED IN THE AREA? not known 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



RECEIVED

AUG 15 1977

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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 AUGUST 15, 1977

Surface Owner SARAH SLUSHER
Address BIG ISSAC, W.VA.

Company DALE ADKINS & P.G.C.
Address P.O. BX. 5557, HTGN., W.VA.

Mineral Owner GERTRUDE SHEET, ET AL
Address BIG ISSAC, W.VA.

Farm SARAH SLUSHER Acres 130
Location (waters) BIG ISSAC

Coal Owner GERTRUDE SHEET, ET AL
Address BIG ISSAC, W.VA.

Well No. SLUSHER #1 (K-38) Elevation 1051
District GREENBRIER County DODDRIDGE

Coal Operator COAL NOT OPERATED
Address _____

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 12-15-77.

INSPECTOR
TO BE NOTIFIED Paul Garrett

ADDRESS Clarksburg WV.

PHONE _____

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 _____ 19____ by C.W. MUTCHELKNOUS made to DALE ADKINS, INC. and recorded on the _____ day of _____ 19____, in _____ County, Book _____ Page _____

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)
Well Operator

P.O. BOX 5557
Street
HUNTINGTON
City or Town
W.VA. 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.

BOND DRILL

DOD-1872

PERMIT NUMBER

"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

47 017

now 1892

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, W.VA. ADDRESS P.O. BX. 5557, HTGN., W.VA.
TELEPHONE _____ TELEPHONE 736-8900/529-3436/824-7273
ESTIMATED DEPTH OF COMPLETED WELL: 5,000 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	90	90	
9 - 5/8			
8 - 5/8	1,000	1,000	250 sks.
7			
5 1/2			
4 1/2	5,000	5,000	300 sks. pz
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 90 FEET SALT WATER 750 FEET
APPROXIMATE COAL DEPTHS 450 _____
IS COAL BEING MINED IN THE AREA? not known 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