

LONGITUDE 80° 55'

FEE OWNERSHIP - WAYMOND L. MAHANEY  
PENNSBORO, W.V.

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF ACCURACY 1/200  
PROVEN SOURCE OF ELEVATION SPOT EL. JUNCTION  
BUNNELL RUN RD. & FARM RD. = 782

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES. Mark C. Echard  
(SIGNED) MARK C. ECHARD  
R.P.E. \_\_\_\_\_ L.L.S. 490

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
FORM IV-6  
(8-78)



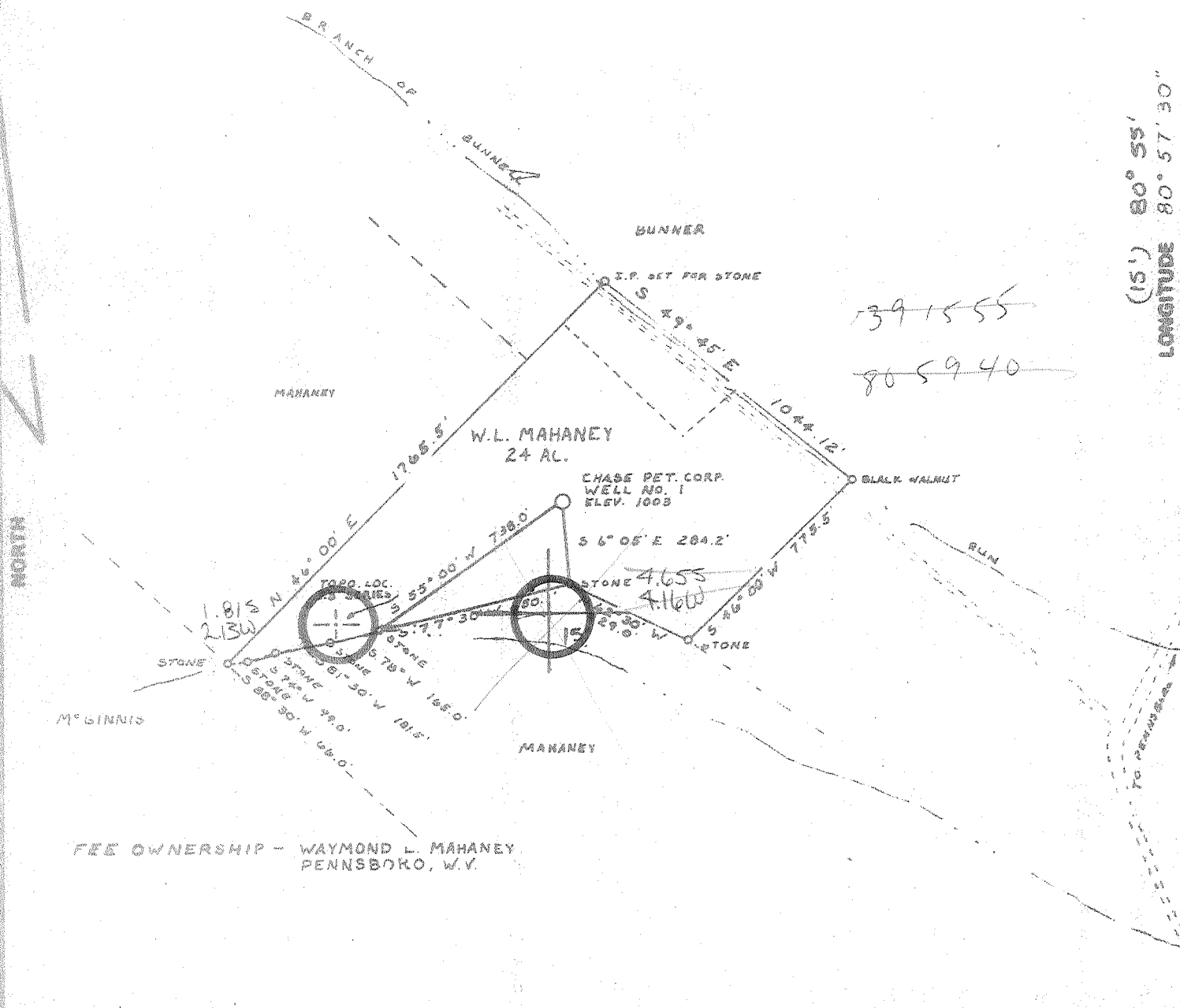
DATE MAY 12, 19 80  
OPERATOR'S WELL NO. ONE  
API WELL NO. \_\_\_\_\_ DEPTH REV.  
47 - 085 - 4832  
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS.") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 1003 WATER SHED BUNNELL RUN  
DISTRICT CLAY COUNTY RITCHIE  
QUADRANGLE PENNSBORO 7.5' WEST UNION 15'SW  
SURFACE OWNER WAYMOND L. MAHANEY, ET UX ACREAGE 24  
OIL & GAS ROYALTY OWNER WAYMOND L. MAHANEY, ET UX LEASE ACREAGE 24  
LEASE NO. \_\_\_\_\_  
PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION ORISKANY ESTIMATED DEPTH 7500  
WELL OPERATOR CHASE PETROLEUM CORP. DESIGNATED AGENT MR. ALTON SKINNER  
ADDRESS BOX 367 ADDRESS BOX 277 SEP 25 1980  
GLENNVILLE, W.V. 26031 GLENNVILLE, W.V. 26031

LATITUDE 39° 17' 30"  
(15') 39° 20'

LONGITUDE 80° 57' 30"  
(15') 80° 55'



39 15 55  
80 59 40

FEE OWNERSHIP - WAYMOND L. MAHANEY  
PENNSBORO, W.V.

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF ACCURACY 1/200  
PROVEN SOURCE OF ELEVATION SPOT ELEV. JUNCTION BUNNELL RUN RD. E. ROAD - 756

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
Mark C. Echard  
(SIGNED) MARK C. ECHARD  
R.P.E. \_\_\_\_\_ L.L.S. 490

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
FORM IV-6 (8-78)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

DATE MAY 16, 19 80  
OPERATOR'S WELL NO. ONE  
API WELL NO. 47-085-4832  
STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 1003 WATER SHED BUNNELL RUN  
DISTRICT CLAY COUNTY RITCHIE  
QUADRANGLE PENNSBORO 7.5' WEST UNION 15'SW  
SURFACE OWNER WAYMOND L. MAHANEY ET UX ACREAGE 24  
OIL & GAS ROYALTY OWNER WAYMOND L. MAHANEY ET UX LEASE ACREAGE 24  
LEASE NO. \_\_\_\_\_  
PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5510  
WELL OPERATOR CHASE PETROLEUM CORP. DESIGNATED AGENT MR. ALTON SKINNER  
ADDRESS BOX 307 GLENVILLE, W.V. 26351 ADDRESS BOX 277 GLENVILLE, W.V. 26351

Deep well 3-6

Beason Run (129)

MAY 18 1980



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Pennsboro 7.5

Permit No. 47-085-4832

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

Company Chase Petroleum  
Address PO Drawer 369, Glenville, WV 26351  
Farm W.L. Mahaney Acres 24  
Location (waters) Bunnell Run  
Well No. Mahaney #1 Elev. 1003  
District Clay County Ritchie  
The surface of tract is owned in fee by Waymond L. Mahaney  
Address Pennsboro, WV  
Mineral rights are owned by Waymond L. Mahaney  
Address Pennsboro, WV  
Drilling Commenced August 25, 1980  
Drilling Completed August 30, 1980  
Initial open flow 140,000 cu. ft. 0 bbls.  
Final production 650,000 cu. ft. per day 0 bbls.  
Well open 10 hrs. before test 740 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10" 11 3/4	34'	0	
9 5/8			
8 5/8 23#	1609'	1609'	CTS
7			
5 1/2			
4 1/2 10.5#	2980'	2980'	400 Sks
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Fraced Fifth Sand; 2856-2866; 12 holes; 523 bbls. Total Fluid; 20,000 # 80/100  
50,000 # 20/40  
Fraced Weir; 2357-2385; 16 holes; 555 bbls. Total Fluid; 20,000 # 80/100  
60,000 # 20/40  
Fraced Injun; 1953-2062; 16 holes; 604 bbls. Total Fluid; 20,000 # 80/100  
60,000 # 20/40

Coal was encountered at No Coal Feet \_\_\_\_\_ Inches 650 MCF  
Fresh water 610 Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Fifth Sand, Weir, Injun Depth 2856-2866; 2357-2835; 1953-2062  
5th Weir BI

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Cond. Shale			G.L.	115		Well was plugged back to 3000' after initial TD of 6800'
Sand			115	170		
Shale & Red Rock			170	190		
Sand			190	200		
Shale			200	230		
Sand			230	318		
Shale & Red Rock			318	342		
Sand			342	365		
Shale			365	380		
Sand			380	395		
Shale			395	445		
Sand & Shale			445	605		
Sand			605	610		
Shale			610	662		
Sand			662	700		
Shale			700	1865		
Lime			1865	2000		
Sand			2000	2070		
Sand & Shale			2070	6280		
Lime & Sand <u>Holdenberg?</u> <u>Onon-Orisk-Held</u>			6280	6800		

RECEIVED

JAN 22 1981

OIL & GAS DIVISION  
DEPT. OF MINES

Estimated  
TD 1700 feet exploratory footage  
MAR 9 1981

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks

Date December 12, 19 80

APPROVED *Alton Skinner*, Owner



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

MAY 15 1980

Oil and Gas Division

OIL & GAS DIVISION  
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE 5/13/80

Surface Owner Waymond L. Mahaney  
Address Pennsboro, W.V.

Company Chase Petroleum  
Address Glenville, W.V. 26351

Mineral Owner Waymond L. Mahaney  
Address Pennsboro, W.V.

Farm W.L. Mahaney Acres 24

Coal Owner No Coal

Location (waters) Bunnell Run

Address \_\_\_\_\_

Well No. 1 Elevation 1003

Coal Operator None

District Clay County Ritchie

Address \_\_\_\_\_

Quadrangle Pennsboro 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 1-22-81.

INSPECTOR  
TO BE NOTIFIED Paul Goodnight

ADDRESS Smithville, W.V. 26178

PHONE 477-3660

*Robert H. [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 April 16 1980 by Waymond L. Mahaney made to Alton Skinner and recorded on the 6<sup>th</sup> day of May 1980, in Ritchie County, Book 131 Page 238

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 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

Very truly yours,

(Sign Name) Alton Skinner  
Well Operator

Address  
of  
Well Operator

P.O. Drawer 369  
Street  
Glenville,  
City or Town  
W.V. 26351  
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.

BLANKET BOND

47-085-4832 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 Alton Skinner

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 S. W. Jack Drilling Co NAME Alton Skinner  
 ADDRESS Buckhannon, W.V. 26201 ADDRESS Glenville, W.V. 26351  
 TELEPHONE 472-9403 TELEPHONE 462-8916  
 ESTIMATED DEPTH OF COMPLETED WELL: 5570 ROTARY  CABLE TOOLS  
 PROPOSED GEOLOGICAL FORMATION: Alexander  
 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	30	-0-	
9 - 5/8			
8 - 5/8	2000	2000	CTS
7			
5 1/2			
4 1/2	5520	5520	2400
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 20 FEET SALT WATER 540 FEET

APPROXIMATE COAL DEPTHS No Coal

IS COAL BEING MINED IN THE AREA? No BY WHOM? N/A

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



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

**RECEIVED**  
AUG 28 1980

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION  
DEPT. OF MINE

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

Surface Owner Waymond L. Mahaney  
Address Pennsboro, W.V.  
Mineral Owner Waymond L. Mahaney  
Address Pennsboro, W.V.  
Coal Owner No Coal  
Address \_\_\_\_\_  
Coal Operator None  
Address \_\_\_\_\_

DATE 5/13/80  
Company Chase Petroleum  
Address Glenville, W.V. 26351  
Farm W.L. Mahaney Acres 24  
Location (waters) Bunnell Run  
Well No. 1 Elevation 1003  
District Clay County Ritchie  
Quadrangle Pennsboro 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 deeper. This permit shall expire if operations have not commenced by 4-29-81.

INSPECTOR  
TO BE NOTIFIED Paul Goodnight  
ADDRESS Smithville, W.V. 26178  
PHONE 477-3660

*Thomas E. Huggins*  
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 in the case may be) under grant or lease dated April 16 1980 by Waymond L. Mahaney made to Alton Skinner and recorded on the 6<sup>th</sup> day of May 1980 in Ritchie County, Book 131 Page 238

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.\*

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ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address  
of  
Well Operator

Very truly yours,  
(Sign Name) Alton Skinner  
Well Operator  
P.O. Drawer 369  
Street  
Glenville,  
City or Town  
W.V. 26351  
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.

47-085-4832 <sup>DD</sup>  
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 Alton Skinner

**BLANKET BOND**

**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) Fox Drilling RESPONSIBLE AGENT:  
 NAME ~~XXXXXXXXXXXXXXXXXXXX~~ NAME Alton Skinner  
 ADDRESS Beahannon, W.V. 26201 Glenville, W.V. 26351 ADDRESS Glenville, W.V. 26351  
 TELEPHONE 472-9403 TELEPHONE 462-8916  
 ESTIMATED DEPTH OF COMPLETED WELL: ~~XXXXXX~~ 7500 ROTARY  CABLE TOOLS  
 PROPOSED GEOLOGICAL FORMATION: ~~XXXXXXXXXX~~ ORISKANY  
 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	30	-0-	
9 - 5/8			
8 - 5/8	2000	2000	CTS
7			
5 1/2			
4 1/2	<del>XXXXXX</del> 7450	<del>XXXXXX</del> 7450	<del>XXXXXX</del> 1200 JSH
4			Perf. Top
2			Perf. Bottom
1 1/2			Perf. Top
1			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 20 FEET SALT WATER 540 FEET  
 APPROXIMATE COAL DEPTHS No Coal  
 IS COAL BEING MINED IN THE AREA? No BY WHOM? N/A

TO DRILL:

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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