

Minimum Error of Closure 1' IN 200'

Source of Elevation ROAD FORKS - Jct. W.V. 52 & W.V. 52 S 25 - VALLEY POINT 7 1/2 TOPO MAP - ELEV. 2182'

"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."

New Location issued 11/19/74
 Drill Deeper 1-9-69
 Abandonment MAP SHEET 934 G-1
 ABN 31979
 1.19 S 39° 32' 30" / call 15' loc
 1.51 W 79° 02' 30" / 4.07 S
 3.73 W
 F.B. 1498 Pg. 9-11

RAY RESOURCES CORPORATION
 Company ~~CONSOLIDATED GAS SUPPLY CORP.~~
 630 COMMERCE SQUARE CHAR W.V. 25301
 Address CLARKSBURG, W.VA

Farm LLOYD C. FEATHER

Tract Acres 174[±] Lease No. 68643

Well (Farm) No. 493 Serial No. H000

Elevation (Spirit Level) 2141'

Quadrangle BRUCETON MILLS (S.W.)

County PRESTON District VALLEY

Engineer Jackson M. Jarvis

Engineer's Registration No. 2397

File No. Drawing No.

Date 10-7-68 Scale 1" = 660'

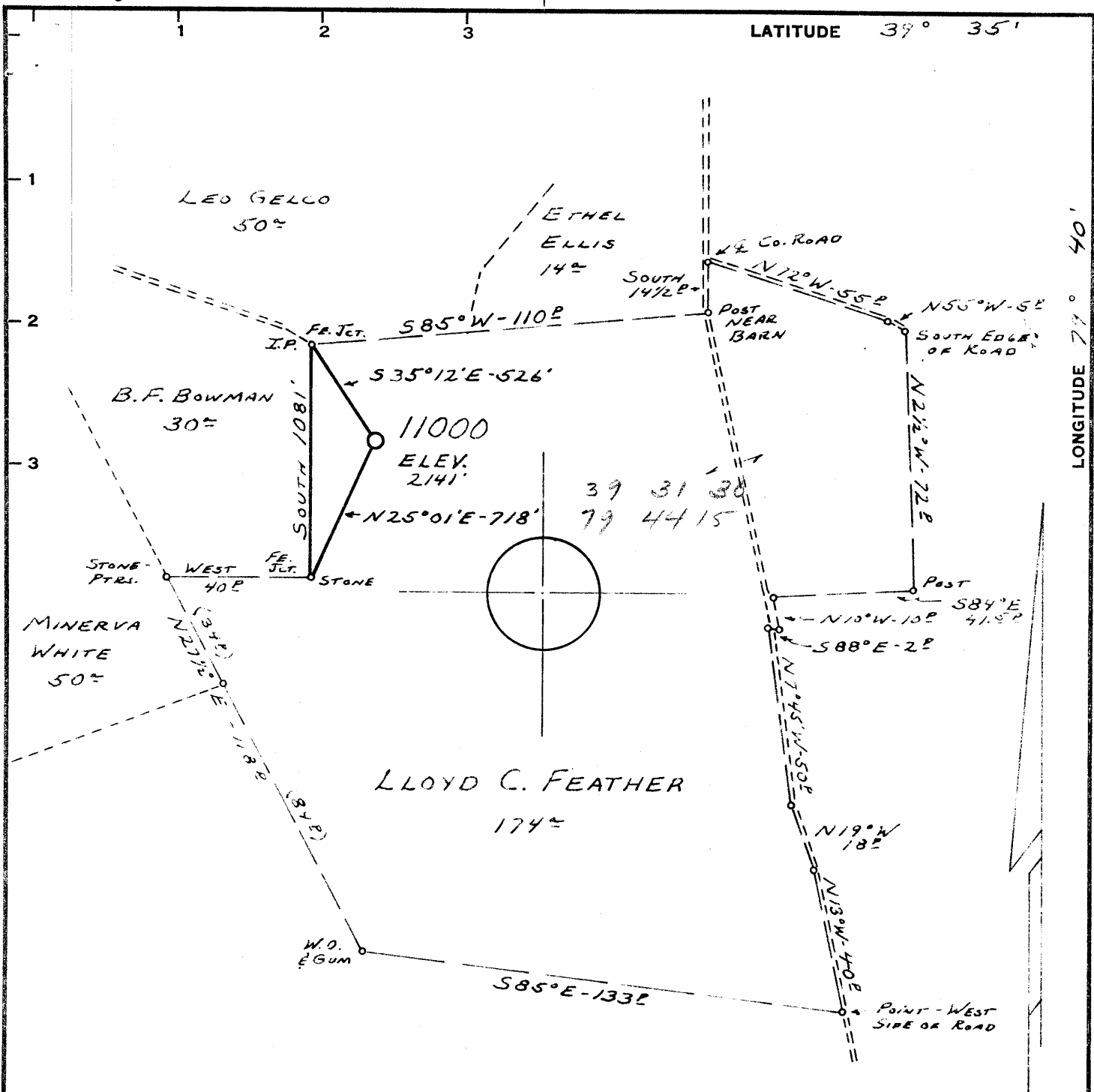
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. Pres-132-R-RED-P

+ 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.

47-077 APR 10 1979



Minimum Error of Closure 1' IN 200'
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 Drill Deeper
 Abandonment
issued 11/19/74
1-9-69
 MAP SHEET 934 G-1

F. B. 1498 PG. 9-11

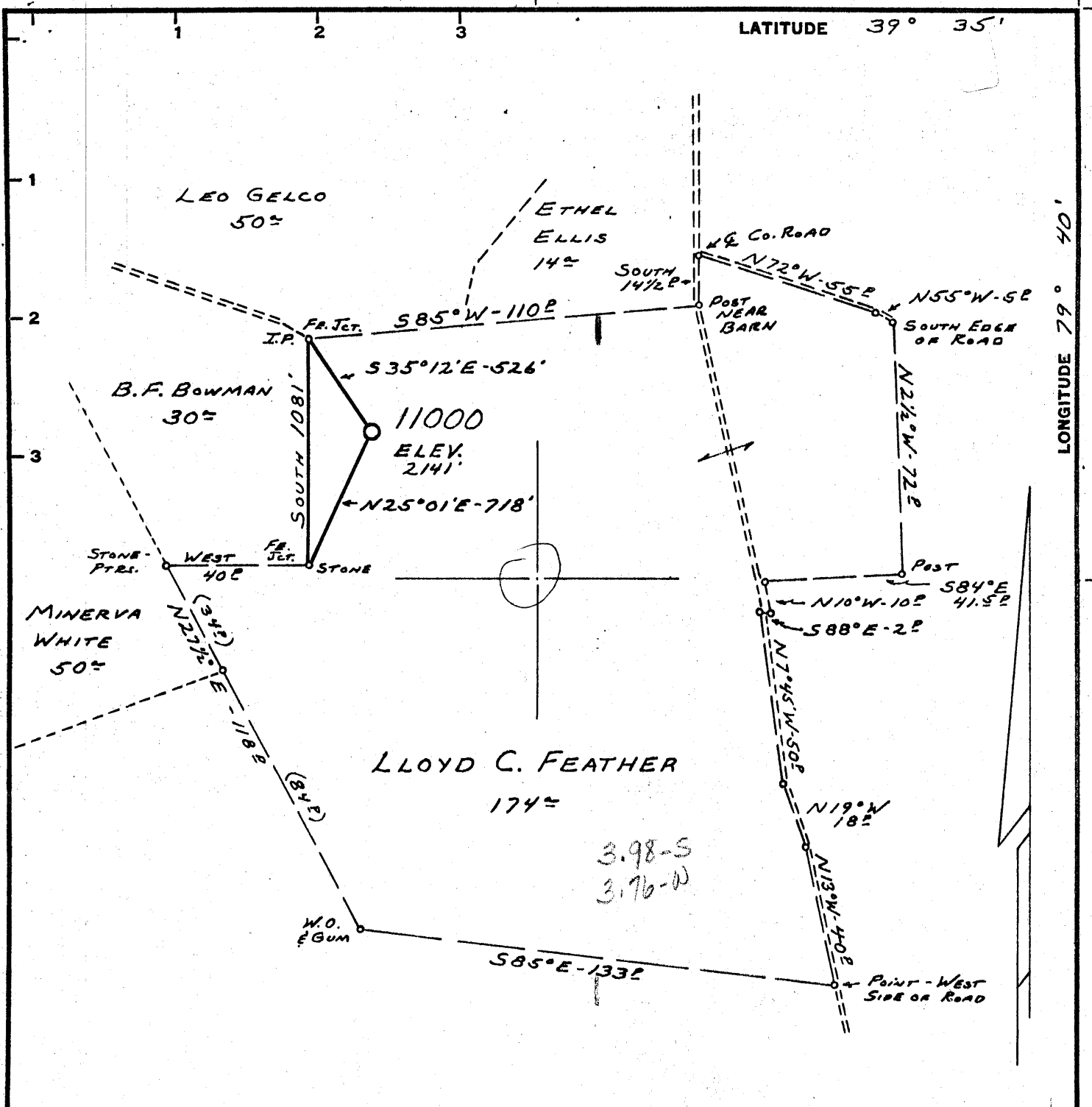
RAY RESOURCES CORPORATION
 Company CONSOLIDATED GAS SUPPLY CORP
 Address 630 COMMERCE SQUARE CHAR W.V. 25301
LARKSBURG, W. VA.
 Farm LLOYD C. FEATHER
 Tract _____ Acres 174± Lease No. 68643
 Well (Farm) No. 493 Serial No. 4000
 Elevation (Spirit Level) 2141'
 Quadrangle BRUCETON MILLS (S.W.)
 County PRESTON District VALLEY
 Engineer JACKSON M. JARVIS
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date 10-7-68 Scale 1" = 660'

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

WELL LOCATION MAP
 FILE NO. Pres-132-R-DA

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47-077 DEC 5 1974



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New Location
 Drill Deeper
 Abandonment 1-9-69
 MAP SHEET 934 G-1

F. B. 1498 PG. 9-11

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, W. VA.
 Farm LLOYD C. FEATHER
 Tract _____ Acres 174[±] Lease No. 68643
 Well (Farm) No. _____ Serial No. 11000
 Elevation (Spirit Level) 2141'
 Quadrangle BRUCETON MILLS (S.W.)
 County PRESTON District VALLEY
 Engineer JACKSON M. JARVIS
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date 10-7-68 Scale 1" = 660'

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

WELL LOCATION MAP
 FILE NO. Pres-132-P

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



RECEIVED

DEC 2 1977

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Bruceton Mills

Permit No. Pres-132 - Red.

RAY RESOURCES, DIVISION OF

Company FLYING DIAMOND OIL CORPORATION
Address 630 Commerce Sq., Chas. W. Va.
Farm Lloyd C. Feather Acres 174
Location (waters) Dillon Creek
Well No. 493 Elev. 2141'
District Valley County Preston
The surface of tract is owned in fee by _____
Herbert Denkenberger
Address Rt. 1, Box 130, Kingwood, W. Va.
Mineral rights are owned by Lloyd C. Feather
Address Mt. Morris, Pa.
Drilling Commenced 11-29-74
Drilling Completed 12-10-74
Initial open flow -0- cu. ft. _____ bbls.
Final production 440 cu. ft. per day _____ bbls.
Well open 8 hrs. before test 2750 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10" 13"	7	7	To Surf.
9 5/8 10"	140	140	To Surf.
8 5/8	1482	1482	To Surf.
7			
5 1/2			
4 1/2	8287	8287	300 Sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

1000 Gals. 15% Mud Acid.

Treated with 1376 Bbls. gelled water with 3% Acid throughout.

Ran 60,000 # 20/40 Sand

Average Rate - 35 Bbls./minute at 5300 psi.

Coal was encountered at 123 Feet 36 Inches

Fresh water 61' & 1380' Feet Salt Water _____ Feet

Producing Sand Huntersville Chert Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			0	120	Water	
Coal			123	126		
Sand & Shale			126	730		
Red Rock			730	755		
Big Lime			755	930		
Sand & Shale			930	1875	Water	
Red Rock			1875	1995		
Sand & Shale			1995	7536		
Tully Lime			7536	7625		
Shale			7625	7985		
Chert			7985	8133		
Oriskany		<i>Hard</i>	8133	8245	Gas	
Total Depth				8300		

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary XXXXXX
Spudder
Cable Tools
Storage

Quadrangle BRUCETON MILLS

Permit No. PRES-132

WELL RECORD

Oil or Gas Well Dry Hole
(KIND)

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.

Farm Lloyd C. Feather Acres 17 1/2

Location (waters)

Well No. 11,000 Elev. 2111'

District Valley County Preston

The surface of tract is owned in fee by
Address

Mineral rights are owned by
Address

Drilling commenced 12-5-68

Drilling completed 1-7-69

Date Shot Not shot From To

With

Open Flow /10ths Water in Inch

/10ths Merc. in Inch

Volume Show Cu. Ft.

Rock Pressure None lbs. hrs.

Oil None bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS) No

WELL FRACTURED (DETAILS) No

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	110	110	
10	11 82	11 82	Size of
8 1/4			
6 3/4			Depth set
5 3/16			
4 1/2			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record. 13" with 110 bags

CASING CEMENTED SIZE No. Ft. Date

Amount of cement used (bags) 9-5/8" with 315 bags

Name of Service Co. Halliburton

COAL WAS ENCOUNTERED AT 123 FEET 36 INCHES

FEET INCHES FEET INCHES

FEET INCHES FEET INCHES

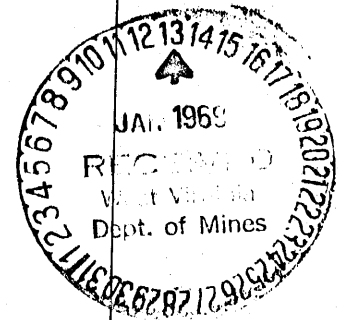
RESULT AFTER TREATMENT (Initial open Flow or bbls.)

ROCK PRESSURE AFTER TREATMENT

Fresh Water 61' 1380' Feet HOURS

Producing Sand Dry Hole (Oriskany) Salt Water Depth (8133-8215)

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			0	120	Water	61'	
Coal			123	126			
Sand & Shale			126	730			
Red Rock			730	755			
BIG LIME			755	930			
Sand & Shale			930	1875	Water	1380'	
Red Rock			1875	1995			
Sand & Shale			1995	7536			
TULLY LIME			7536	7625			
Shale			7625	7985			
CHERT			7985	8133			
ORISKANY			8133	8215	Gas	Show	
Headerberg			8245				
Total Depth				8300'			
				485			



Consolidated Gas Supply Corporation
Clarksburg, W. Va.
January 10, 1969



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

NOV 19 1974

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 Herbert Denkenberger
Address Rt.1, Box 130, Kingwood, W. Va.
Mineral Owner Lloyd C. Feather
Address Mt. Morris, Pennsylvania
Coal Owner _____
Address _____
Coal Operator None
Address _____

DATE November 19, 1974
Company RAY RESOURCES CORPORATION
Address 630 Commerce Square
Charleston, W. Va. 25301
Farm Lloyd C. Feather Acres 174
Location (waters) Dillon Creek
Well No. 493 Elevation 2141'
District Valley County Preston
Quadrangle Bruceton Mills

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 deepening. This permit shall expire if
operations have not commenced by 3-19-75

Robert K. Brown
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Garrett
Clarksburg PH: 622-3871
W.Va.

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 Operating Agreement dated October 23 19 74 by Consolidated Supply Corp. made to Ray Resources Corp. and recorded on the _____ day of _____

19____, in _____ County, Book _____ Page _____

NEW WELL _____ DRILL DEEPER XX REDRILL _____ FRACTURE OR STIMULATE
XX 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, W. Va. 26505
AC 304-296-4461

Address
of
Well Operator

Very truly yours, RAY RESOURCES CORPORATION
(Sign Name) William D. Yarns
Well Operator
630 Commerce Square
Street
Charleston
City or Town
West Virginia 25301
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

PRES-132-100 PERMIT NUMBER

47-077

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

Re

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Ray Resources Corporation NAME R. D. Hanley, Jr.
630 Commerce Square 630 Commerce Square
 ADDRESS Charleston, W. Va. 25301 ADDRESS Charleston, W. Va. 25301
 TELEPHONE 344-8393 TELEPHONE 344-8393
 ESTIMATED DEPTH OF COMPLETED WELL: 8300' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ GAS XX 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	140 Ft.	140 Ft.	110 Sks.
9 - 5/8	1482 Ft.	1482 Ft.	315 Sks.
8 - 5/8			
7			
5 ½			
4 ½	8300 Ft.	8300 Ft.	200 Sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 61 FEET 1380' SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS _____
 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