

8750

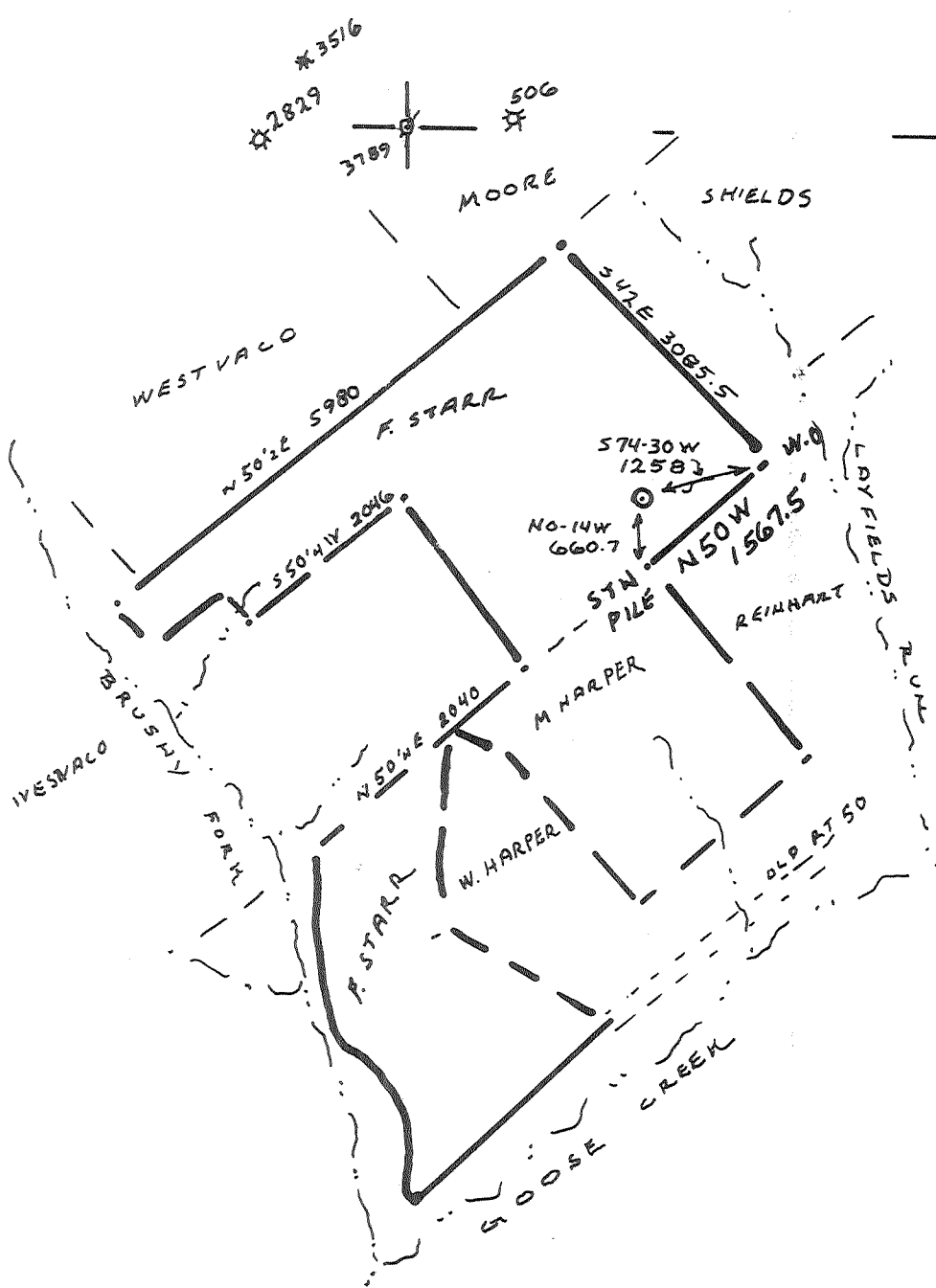
LATITUDE 39-17-30

81° 10'

LONGITUDE

3250

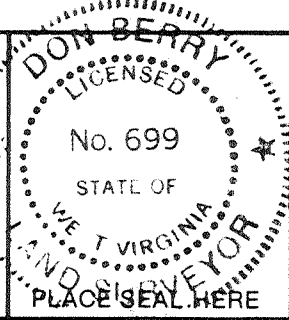
NORTH



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE _____
 MINIMUM DEGREE OF ACCURACY _____
 PROVEN SOURCE OF ELEVATION USGS BM
775'

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.
 (SIGNED) Don Berry
 R.P.E. _____ L.L.S. 699



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 7/21, 1988
 OPERATOR'S WELL NO. _____
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 1080 WATER SHED LAYFIELDS RUN REC. CANCELLED
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE SCHULTZ

SURFACE OWNER F. STARR ACREAGE 208.9
 OIL & GAS ROYALTY OWNER _____ LEASE ACREAGE 573

PROPOSED WORK: DRILL _____ 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 _____ ESTIMATED DEPTH _____
 WELL OPERATOR L & M PETROLEUM DESIGNATED AGENT DON BERRY
 ADDRESS P.O. BOX 89 RENO OHIO ADDRESS MIDDLEBOURNE W.V.
OHIO Lim Co. Inc. 626

JUN 30 1989

COUNTY NAME

PERMIT

R.I.T.

3789-Rec.

8750 20

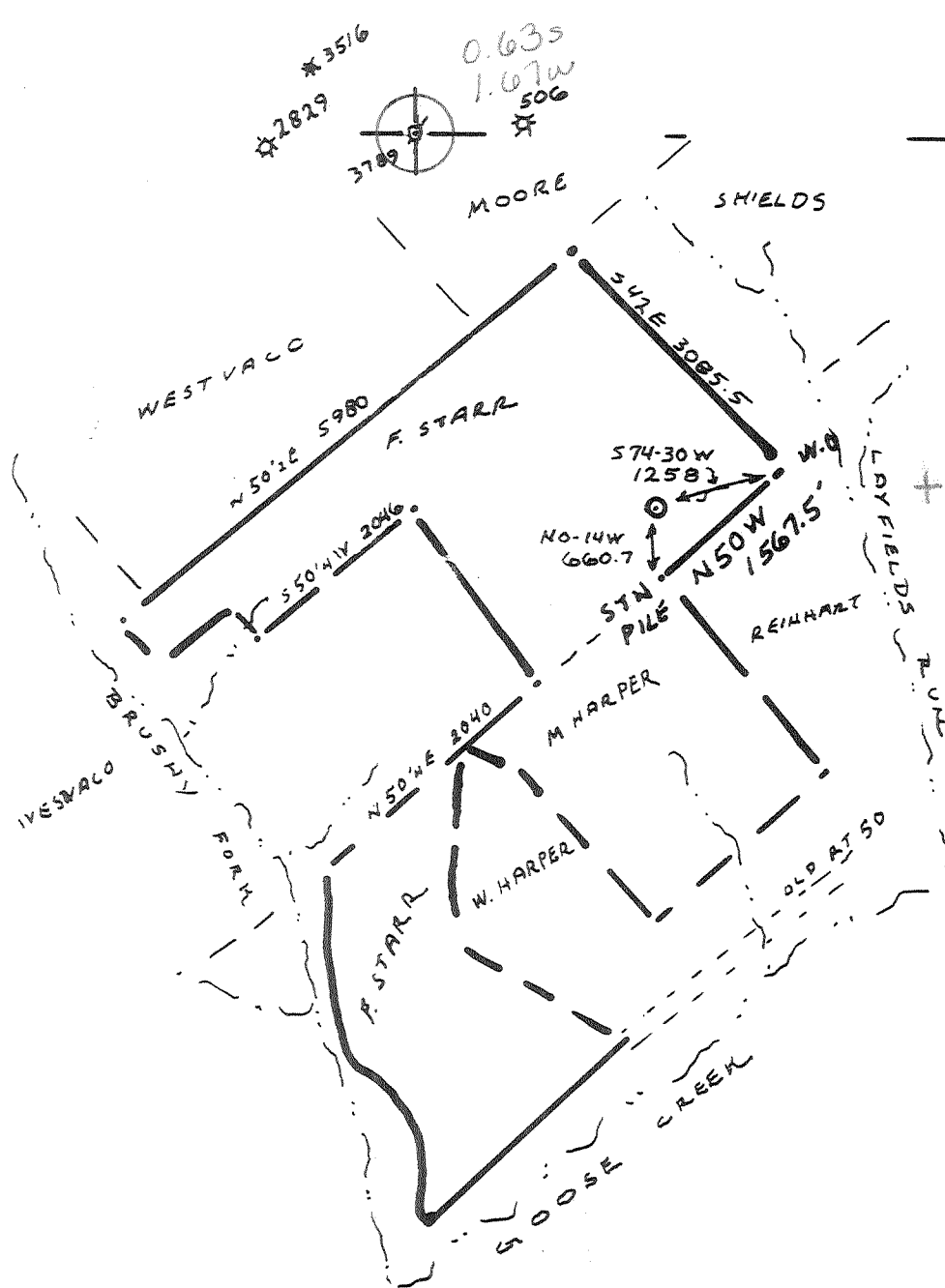
LATITUDE 39-17-30

81° 10'

LONGITUDE

3250

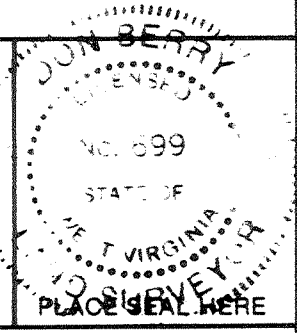
NORTH



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE _____
 MINIMUM DEGREE OF ACCURACY _____
 PROVEN SOURCE OF ELEVATION USGS BM
775'

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.
 (SIGNED) Don Berry
 R.P.E. _____ L.L.S. 699



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 7/22, 1988
 OPERATOR'S WELL NO. _____
 API WELL NO. 47-085-3789-Rec.
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 1080 WATER SHED LAY FIELDS RUN
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE SCHULTZ St. Marys 15' SW
 SURFACE OWNER E. STARR ACREAGE 200.9
 OIL & GAS ROYALTY OWNER _____ LEASE ACREAGE 573

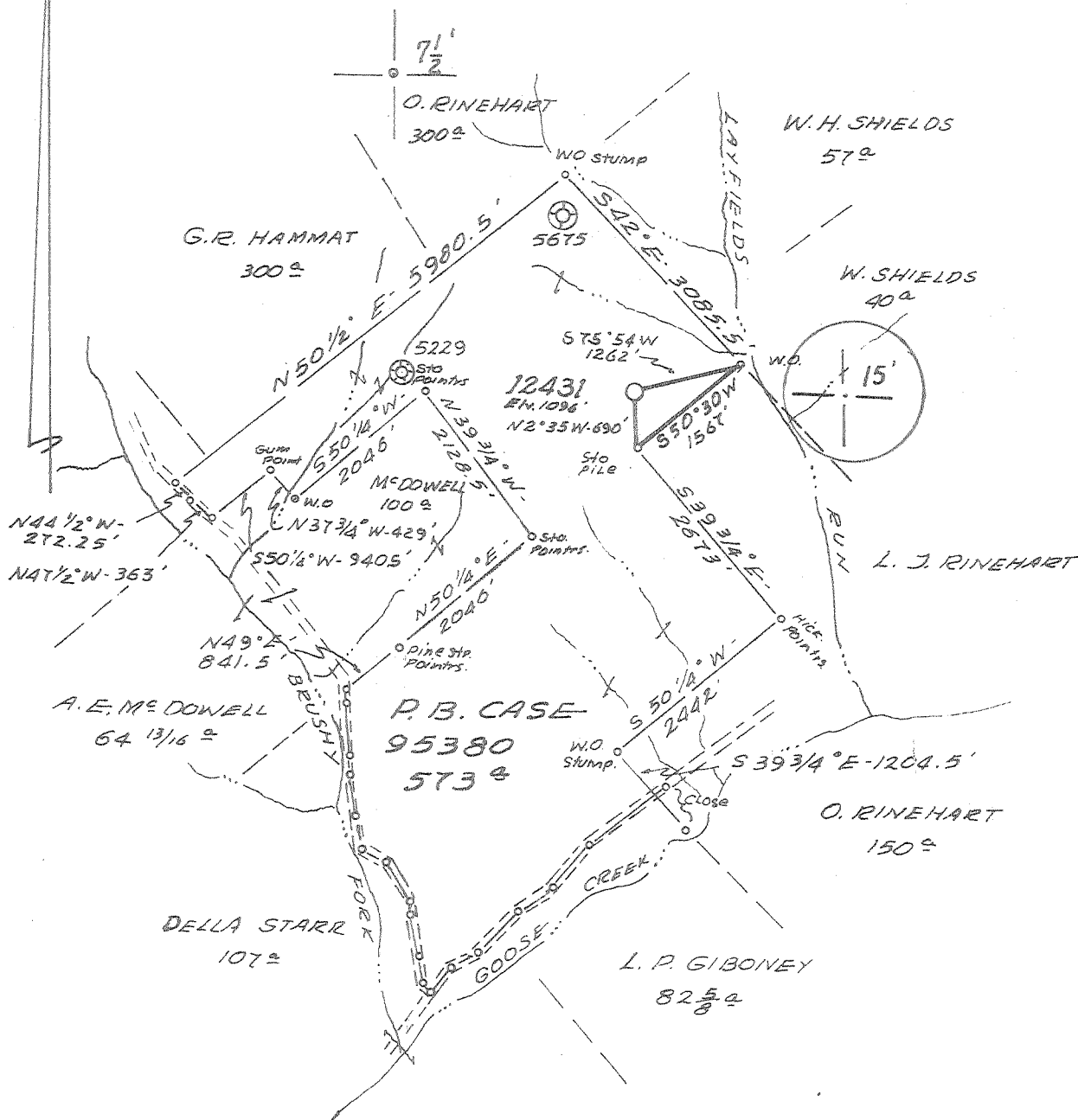
PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION _____ ESTIMATED DEPTH _____
 WELL OPERATOR OIL & GAS PETROLEUM DESIGNATED AGENT DON BERRY
 ADDRESS P.O. Box 89 Reno Ohio ADDRESS MIDDLEBOURNE W.V.
OHIO Lim Co. Inc.

Deep Well

FORM IV-6 (8-78)

COUNTY NAME PERMIT



1" IN 200'
LEVELS FROM P.B. FRS. LAYFIELD
RUN AND OLD R. 50 EN. T69'

FRAC 15/179
PARTIAL PLUG 6/22/78

No. 1 well
Drill Date

MAP SHEET T6 S11 W32 FB 1901 PG 6-9
P.B. CASE & P.B. CASE JR. DBA
GEORGIANA OIL CO.
Bx 47 MARIETTA OHIO

Name P.B. CASE
No. 573 95380

Well No. 8 12431

Location 1096' St. Marys 15'

Operator SCHULTZ, WYA. EC

Contract RITCHIE GRANT
Engineer Danell M. Radcliffe

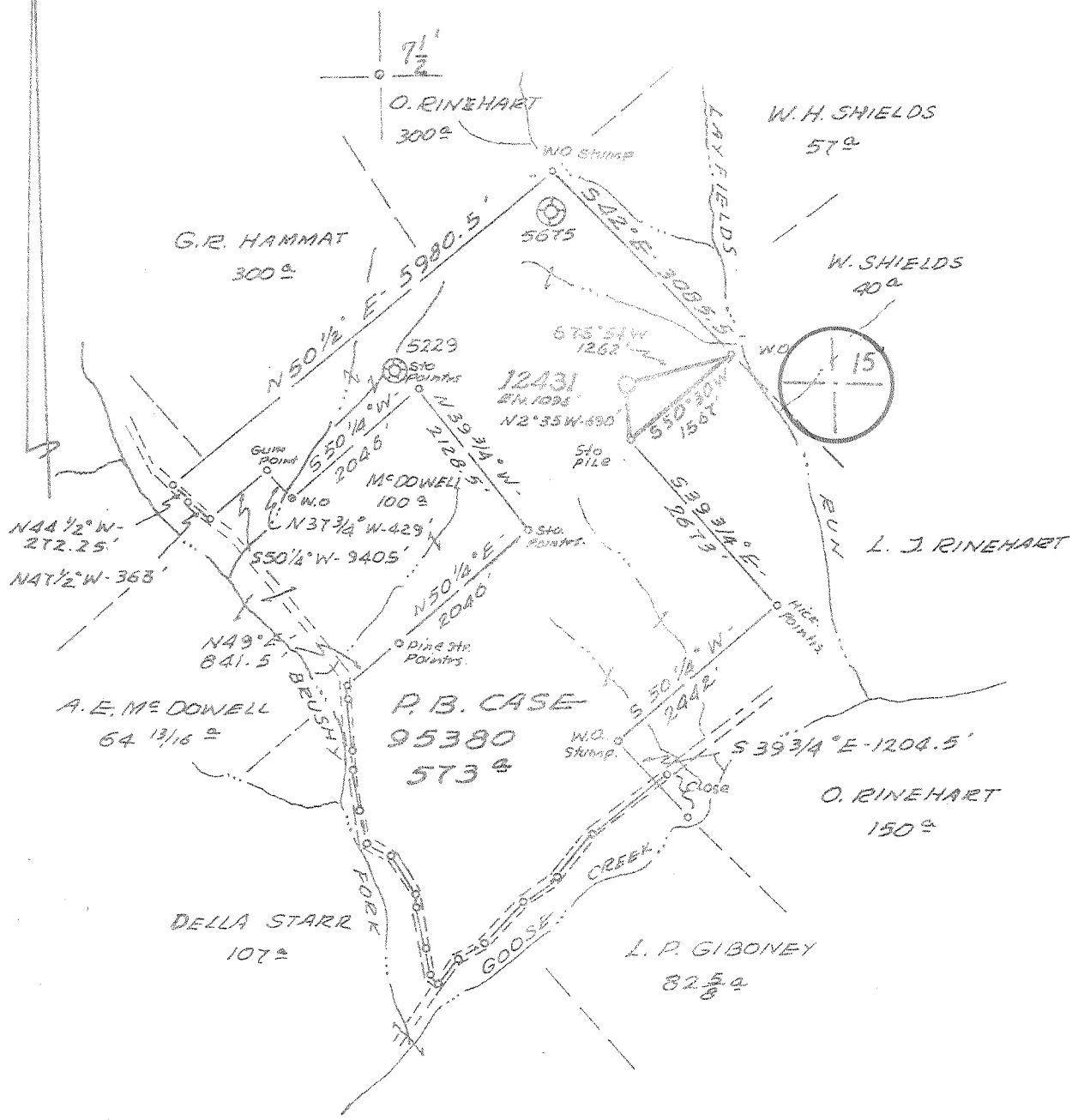
Operator's Registration L.L.S. 77
File No. Drawing No.
Date 9-23-77 Scale 1" = 2000'

RIT-3789-PP-FRAC

24,000

47-085 MAY 23 1979

Deep Well 7588



1" = 200'
 LEVELS FROM RD. PGS. LAYFIELD
 RUN AND OLD R. 50 EN. 769'

PARTIAL PLUG 6/22/78

MAP SHEET 76 S11 W3? FB 1901 PG 6-9

CONSOLIDATED GAS SUPPLY CORP.
 CLARKSBURG, W.VA.
 P.B. CASE

573 95380
 12431

1096 St. Marys 15 SW

RIT-3789-PP

SCHULTZ, WVA. EV
 RITCHIE GRANT
 Danell M. Radcliffe
 L.L.G. 74

9-23-77

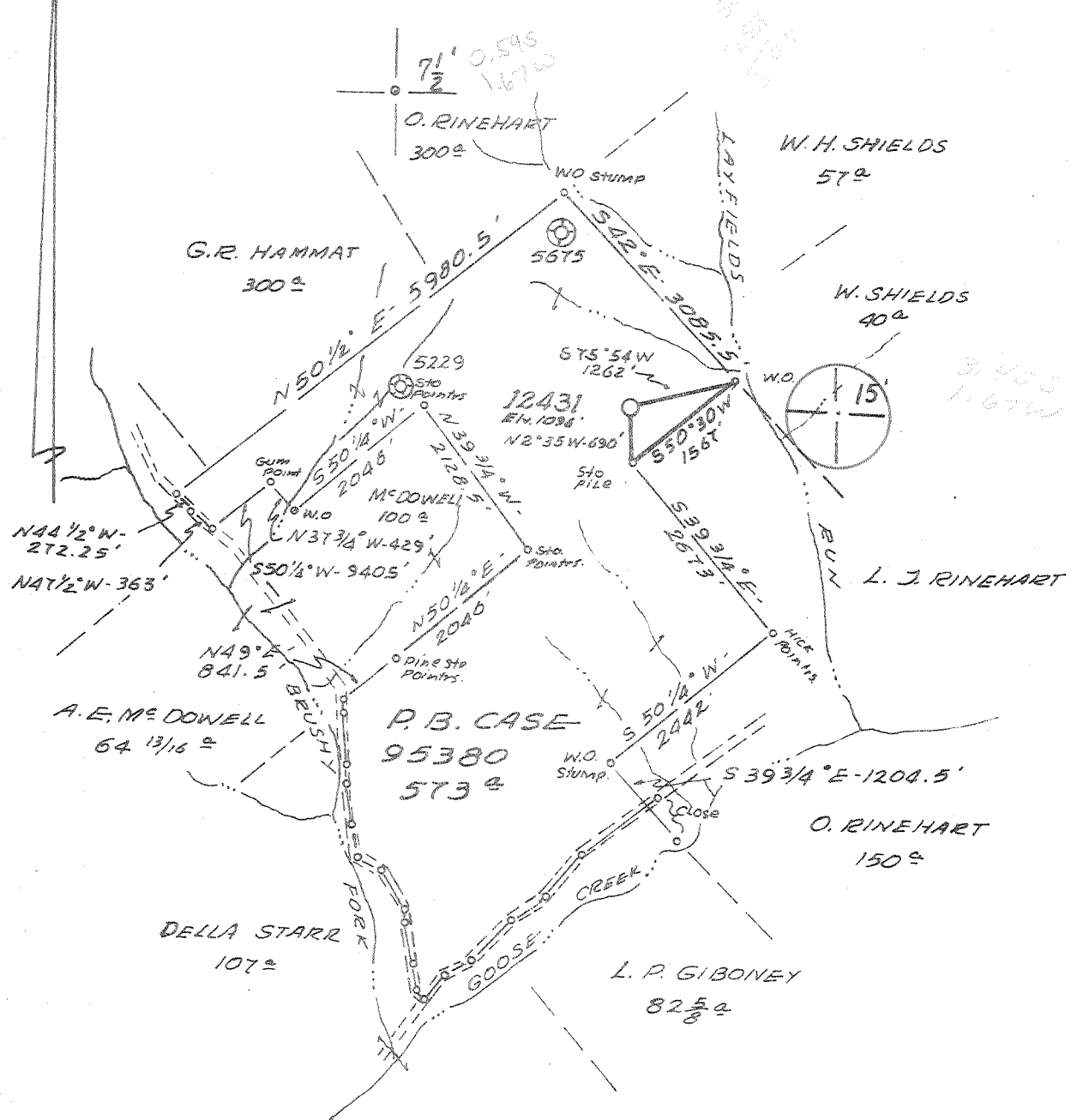
1" = 2000'

47-085

OCT 19 1978

Deep Well

7588



1" IN 200'
LEVELS FROM RD. PKGS. LAYFIELD
RUN AND OLD R. 50 EN. 769'

MAP SHEET 76 S11 W3? FB 1901 PG 6-9

CONSOLIDATED GAS SUPPLY CORP.
CLARKSBURG, W.VA.
P.B. CASE

573 95380
12431

1096' St. Marys 15' SW

RIT-3789

SCHULTZ, WVA. EC
RITCHIE GRANT
Darell M. Radcliffe
L.L.S. 74

24,000

9-23-77

1" = 2000'

DEC 29 1977

47-085

Deeble 3-0

BRUSHY FORK - BUCK RUN 79

7588



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

RECEIVED

OCT 3 1978

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Schultz

Permit No. RIT-3789 *PP*

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

Company Consolidated Gas Supply Corp.
Address Clarksburg, WV 26301
Farm P. B. Case Acres 573
Location (waters) Layfields Run
Well No. 12431 Elev. 1096
District Grant County Ritchie
The surface of tract is owned in fee by Theodore & Frances Starr
Address Belmont, WV
Mineral rights are owned by P. B. Case
Address _____
Drilling Commenced 4/07/78
Drilling Completed 6/05/78
Initial open flow 0 cu. ft. _____ bbls.
Final production Incomplete cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-5/8"	310		Surface 250 sk
9 5/8	2375		255 sk
8 5/8			
7	6697		100 sk
5 1/2			
4 1/2			
3			
2			
Liners Used			

Well treatment details:

No treatment

Attach copy of cementing record.

Coal was encountered at No coal Feet _____ Inches _____
Fresh water None Feet _____ Salt Water _____ Feet _____
Producing Sand Dry Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			0	50		
Sand & Shale			50	141		
Shale			141	313		
Shale			313	430		
Red Rock			430	465		
Shale			465	580		
Shale			580	650		
Gray Shale			650	750		
Red Rock			750	1030		
Shale			1030	1340		
Sandy Shale			1340	1495		
Shaled Sand			1495	1580		
Sand			1580	2050		
Shale			2050	2380		
Black Shale			2380	2410		
Sand			2410	2415		
Sand & Shale			2415	5770		
Black Shale			5770	5850		
Lime			5850	6050		
Sand			6050	6110		
Lime			6110	6480		
Dolomite			6480	6700		
Salt			6700	6830		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Dolomite			6830	7240		
Sand			7240	7244		
Dolomite			7244	7500		
Lime			7500	7650		
Sand			7650	7680		
Shale			7680	7800		ROSE HILL
Total Depth				7800		

Date October 2 1977

APPROVED [Signature] (Owner)

By _____ (Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC 12 1977

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 October 26, 1977

Surface Owner Theodore & Frances Starr
Address Belmont, W. Va.

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

Mineral Owner P. B. Case
Address Not sure at this point

Farm P. B. Case Acres 573

Coal Owner None
Address _____

Location (waters) Layfields Run

Coal Operator None
Address _____

Well No. 12131 Elevation 1096'

District Grant County Ritchie

Quadrangle SCHULTZ

No deep wells within one mile of this location

THIS PERMIT MUST BE POSTED AT THE WELL SITE

INSPECTOR

TO BE NOTIFIED K. Paul Goodnight

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 4-13-78

ADDRESS Smithville, W. Va.

PHONE 477-3660

GENTLEMEN [Signature]
Deputy Director - Oil & Gas Division

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 5-23-77 19 by P. B. Case made to Consolidated Gas Supply and recorded on the 20th day of October 1977 in Ritchie County, Book 123 Page 510

XXX 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.

Very truly yours,

(Sign Name) [Signature] Manager of Prod.
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

W. VA. OIL & GAS CONSERVATION COMMISSION
1613 WASHINGTON STREET, EAST
CHARLESTON, WEST VIRGINIA 25311

Address of Well Operator Consolidated Gas Supply Corporation
Street 445 West Main Street
City or Town Clarksburg, W. Va.
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

RIT-3789 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 9, Section 12-b and will carry out the specified requirements."

47-085

Signed by [Signature]

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

PROPOSED WORK ORDER TO XXX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Carl Smith _____ NAME R. E. Rayne _____
 ADDRESS Sandyville, W. Va. _____ ADDRESS Bridgeport, W. Va. _____
 TELEPHONE _____ TELEPHONE 623-3611 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 7700' _____ ROTARY XXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Lockport _____
 TYPE OF WELL: OIL _____ GAS XX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16	40'	40'	To surface
13 - 1/2	300'	300'	To surface
9 - 5/8	7100'	7100'	125 Bags
8 - 5/8			
7			
5 1/2			
4 1/2	7700'	7700'	125 bags
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 65' FEET _____ SALT WATER None FEET _____
 APPROXIMATE COAL DEPTHS None _____
 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

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. #8

API Well No. 47-RT 378
State County Permi
47-085-3789-PP-FRAC.

WELL TYPE: Oil X / Gas X /
(If "Gas", Production X / Underground storage / Deep / Shallow /)

LOCATION: Elevation: 1096 Watershed: BRUSHY FORK
District: GRANT County: RITCHIE Quadrangle: SCHULTZ

WELL OPERATOR GEORGIANA OIL CO.
Address Box 47
MARIETTA OHIO

DESIGNATED AGENT O.J. RINEHART
Address RT #1 Box 86
CAIRO WVA

OIL & GAS ROYALTY OWNER CLYDE KELLY ET AL
Address COLUMBUS OHIO

COAL OPERATOR NONE
Address

SURFACE OWNER P.D. STARR
Address RT #1
CAIRO WVA
Acreage 573

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name NONE
Address
Name
Address

FIELD SALE (IF MADE) TO:
Name CONSOLIDATED GAS SUPPLY
Address Clarksburg
WVA.

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name PAUL GOODNIGHT
Address SOUTHVILLE WVA
PHONE 477-3660

OIL & GAS DIVISION
DEPT. OF MINES

MAY 11 1979

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated , 19 , to the undersigned well operator from BILL OF SALE DATED 1-5-77
[If said deed, lease, or other contract has been recorded:]

Recorded on , 19 , in the office of the Clerk of the County Commission of County, West Virginia, in Book at page . A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate X /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

GEORGIANA OIL CO.
Well Operator

BLANKET BOND By P.D. Case P.D. CASE
Its PARTNER

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

FRACTURE
DRILLING CONTRACTOR (IF KNOWN) DOW CHEMICAL

Address _____

GEOLOGICAL TARGET FORMATION, BIG TURTLE

Estimated depth of completed well, 1868-90 feet Rotary / Cable tools /

Approximate water strata depths: Fresh, feet; salt, feet.

Approximate coal seam depths: None Is coal being mined in the area? Yes / No /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	<u>13 7/8</u>			<input checked="" type="checkbox"/>			<u>3091</u>	Kinds
Fresh water								
Coal								Sizes
Intermediate								
Production	<u>9 5/8</u>						<u>1000</u>	Depths set
Tubing								
Liners								Perforations:
								Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

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 fracturing. This permit shall expire if operations ~~have not~~ commenced by 1-14-80.

[Signature]
The Deputy Director, Oil & Gas Division completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19_____

By _____
Its _____



1) Date: July 7, 19 83
 2) Operator's Well No. P.B. Case #1
 3) API Well No. 47 085 3789 - Rec
 State County Permit

DRILLING CONTRACTOR:
Not known at this time

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1096 Watershed: Brushy Fork
 District: Grant County: Ritchie Quadrangle: Schultz
- 6) WELL OPERATOR Ohio L&M Co., Inc. 11) DESIGNATED AGENT Don Berry
 Address P.O. Box 89 Address Main Street
Reno, Ohio 45773 Middlebourne, WV 26149
614-373-8771 304-758-4044
- 7) OIL & GAS ROYALTY OWNER See attached 12) COAL OPERATOR NA
 Address 573 Address _____
- 8) SURFACE OWNER See attached 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address _____ Name NA
 Address _____
 Name NA
 Address _____
- 9) FIELD SALE (IF MADE) TO: 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Address NA Name NA
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Samuel Hersman
 Address P.O. Box 66, Smithville, WV
304-477-3597
- 15) PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Big Injun, Squaw
- 17) Estimated depth of completed well, 2370 feet
 18) Approximate water strata depths: Fresh, NA feet; salt, NA feet.
 19) Approximate coal seam depths: NA Is coal being mined in the area? Yes / No

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	<u>13 3/8</u>						<u>310</u>		
Coal									Sizes
Intermediate	<u>9 5/8</u>					<u>2374</u>	<u>2374 (all ready in place)</u>		
Production	<u>4.5</u>					<u>-0-</u>	<u>-0-</u>		Depths set
Tubing									
Liners									Perforations:
We are planning to set a plug at 2370', and re-complete this well in the Big Injun and Squaw Sand formations									Top Bottom

21) EXTRACTION RIGHTS

Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: _____
 My Commission Expires 8/2/83

Signed: Norma Anderson
 Its: Norma Anderson, Asst. Secretary

OFFICE USE ONLY
 DRILLING PERMIT

47-085-3789-Rec

Date August 30, 1983

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires August 30, 1985

unless drilling is commenced prior to the date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>to</u>	Plat: <u>to</u>	Casing: <u>to</u>	Fee: <u>3244</u>
-----------------	------------------	-----------------	-------------------	------------------

T. P. Anderson
 Administrator, Office of Oil and Gas