

PARTIAL PLUG
 New Location.
 Drill Deeper.....
 Abandonment.....

Company CAROT OIL & GAS CORP. OF WV
 Address P.O. BOX 628, CHARLESTON, WV 25322
 Farm Poca Coal Land Co.
 Tract _____ Acres 9700 Lease No. 3-466
 Well (Farm) No. 15 Serial No. 12.32
 Elevation (Spirit Level) 969.26
 Quadrangle Winfield EC
 County Putnam District Union
 Engineer Ray Beaton
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date 1-22-47 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. PUT-362-PP

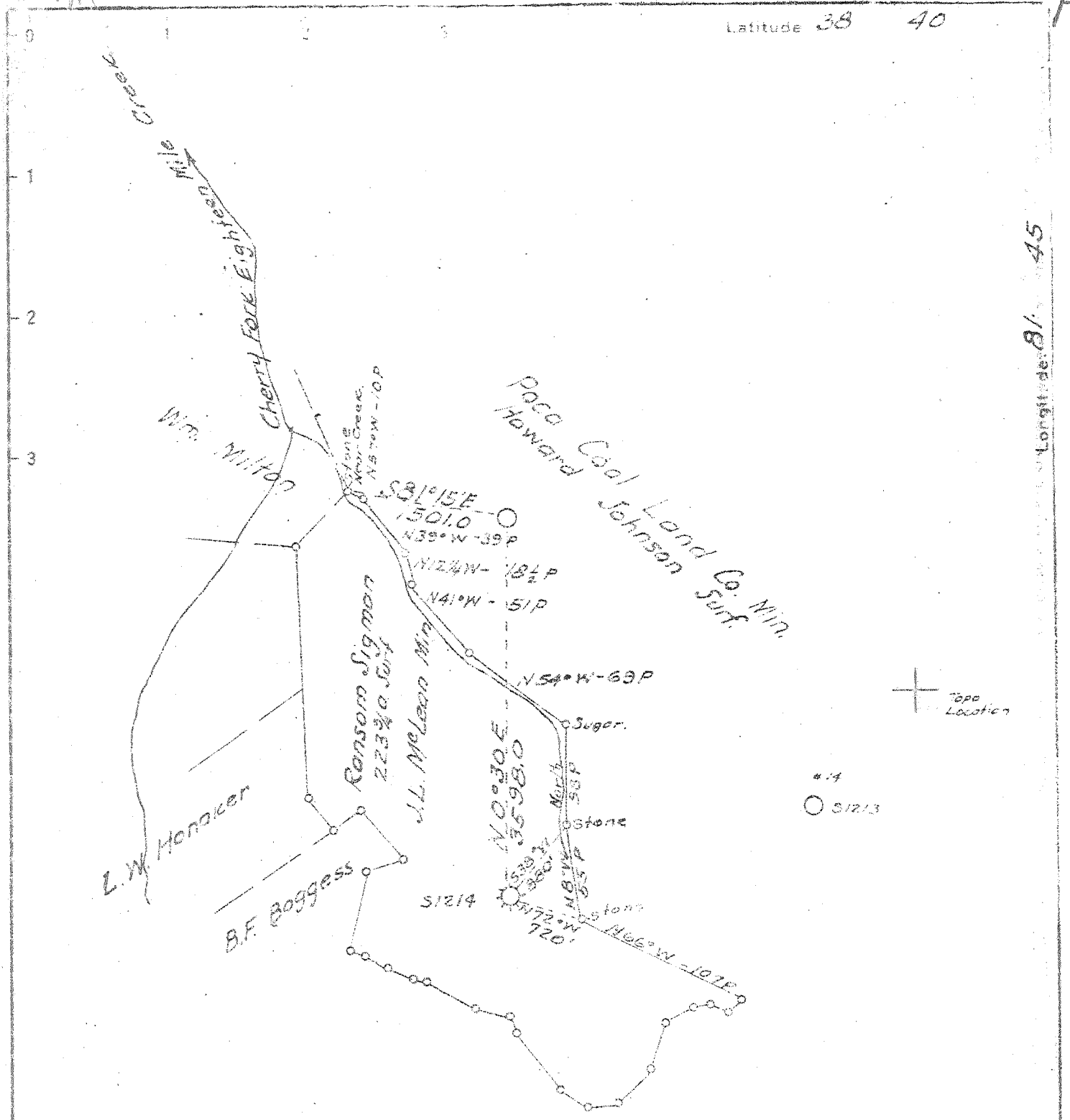
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

OCT 3 1947

"IMPERIAL" TRACING CLOTH
 K & E CO., N. Y.

DEEPWELL OWWO 6-6 Elk-Poca (Lissonville) (192)



4.98 S.
 1.01 W.
 6 SE (I-4)

New Location X
 Drill Deeper
 Abandonment

Company Godfrey L Cabot Inc
 Address Sea Union Bldg Charleston W.Va.
 Farm Paca Coal Land Co.
 Tract _____ Acres 2700 Lease No. 3-466
 Well (Farm) No. 15 Serial No. 1232
 Elevation (Spirit Level) 969.26
 Quadrangle Winfield - EC
 County Putnam District Union
 Engineer Roy Beatao
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date 1-22-47 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. PUT-362

+ 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.

✓ Deep Well

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Put 362
Winfield Quad.
Company
Address
Farm
Location
Well No.
District
Surface
Mineral
Commenced
Completed
Date shot
Volume
Rock Pressure
Water

Godfrey L. Cabot, Inc.
Charleston, W.Va.
Poca Coal Land Co.
15-serial 1232 Elev. 969.26
Union Putnam County
Feb. 27, 1947
June 6, 1947
June 9, 1947 -30 qts. 5055 to 5075°
1½ hr. A.S. 2,157 MCF (B.S. 189 M)
1730 lbs. in 25½ hrs. Oriskany
1025 H.F.; 1743 H.F.

Gas Well
CASING & TUBING

	48#	13 3/8	17	Same
	32.75#	10½	514	"
	24#	8 5/8	1046	"
	24#	7	2217	"
	17#	5½	4968	"
		2		5068

6-13-47
Tubed under pressure
Perf. top 5037
bot 5066
Packer-see below

Surface	0	16
Red Rock	16	43
Slate	43	48
Red Rock	48	55
Slate	55	100
Red Rock	100	148
Slate	148	190
Red Rock	190	365
Slate	365	400
Red Rock	400	440
Slate	440	490
Red Rock	490	508
Limo	508	520
Slate	520	600
Red Rock	600	679
Slate	679	715
Red Rock	715	775
Slate & Shell	775	860
Red Rock	860	910
Limo Gr	910	930
Slate Bk	930	989
Sand	989	1039
Slate	1039	1085
Sand Wh	1085	1108
Slate	1108	1158
Sand	1158	1213
Slate Bk	1213	1286
Sand	1286	1306
Slate	1306	1557
Sand	1557	1600
Slate	1600	1680
Salt Sand	1680	1905
Big Limo	1905	2089
Slate	2089	2100
Injun Sand	2100	2140
Slate	2140	2150
Sand	2150	2170
Limo	2170	2193
Slate	2193	2207
Limo	2207	2212
Slate	2212	2220
Limo Gr	2220	2230
Slate	2230	2255
Shale Br	2255	2572
Sand	2572	2588
Slate & Shell	2588	2739
Limo Gr	2739	2749
Slate	2749	2934
Limo	2934	2970
Slate	2970	3785
Shale Br	3785	3829
Slate	3829	3837
Limo	3837	3880
Slate	3880	4041

Shale Br	4041	4330
Slate Wh	4330	4465
Slate Br	4465	4488
Slate & Shell	4488	4730
Shale Br	4730	4953
Corniferous	4953	5049
Oriskany	5049	5076
Limo	5076	5077
T.D.		5077
SLM. 4206; 4975; 5077		
Dil and gas 2577 small		
Gas 4206 21 MCF		
Gas 4268 26 MCF		
Note: shale gas decreased to 21 MCF		
Gas 5057 146 MCF		
Gas 5058-5059½ 133 MCF		
Gas 5060-5063 424 MCF		

PACKER

10½" x 12" Csg. shoe
8 5/8" half coupling csg. shoe
7" x 8 5/8" x 16 B.H. Packer GLC #155
5½ x 7 x 15 Lead Spang B.H. Packer #22662

4953	5049
969	969
-3984	4080

SLM 2251

Berea

RECEIVED

MAY 31 1984

OIL & GAS DIVISION
DEPT. OF MINES



35

W-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date May 24, 1984
Operator's _____
Well No. #15
Farm Poca Coal and Land Co.
API No. 47 - 079 - 362DD

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production X / Underground Storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 969.26 Watershed Cherry Fork
District: Union County Putnam Quadrangle Bancroft

COMPANY Cabot Oil & Gas Corp. of WV
ADDRESS P. O. Box 628, Charleston, WV 25322
DESIGNATED AGENT Robert E. Horrell
ADDRESS P. O. Box 628, Charleston, WV 25322
SURFACE OWNER Texicon Conference Assoc. of The
Seventh Day Adventists-For Edward Summers
ADDRESS Trust-Box 7770, Amarillo, Texas 79114
MINERAL RIGHTS OWNER Poca Coal Land Co.
ADDRESS 9 Court St., Uniontown, PA 15401
OIL AND GAS INSPECTOR FOR THIS WORK Kenneth
Butcher ADDRESS RFD #1, Barboursville, WV
25504
PERMIT ISSUED September 27, 1983
WORKOVER
~~WORKING~~ COMMENCED 4/26/84
~~WORKING~~ COMPLETED 5/23/84

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
13-10"			
9 5/8			
8 5/8			
7			
5 1/2	Squeezed		
4 1/2	from 4400'-4012'		
3			
2 1 1/2		4330'	w/seating nipple and perf. t.
Liners used			

GEOLOGICAL TARGET FORMATION Huron Shale Depth _____ feet
Depth of completed well 4920' PBD feet Rotary ___ / Cable Tools ___
Water strata depth: Fresh ___ feet; Salt ___ feet
Coal seam depths: _____ Is coal being mined in the area? ___

OPEN FLOW DATA
Producing formation Huron Shale Pay zone depth 4114-4296' feet
Gas: Initial open flow 26 Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow 140 Mcf/d Final open flow ___ Bbl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure 500 psig (surface measurement) after 18 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow ___ Mcf/d Oil: Final open flow ___ Bbl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure ___ psig (surface measurement) after ___ hours shut in

JUN 25 1984

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

4/26/84 - MIRU Pool Well Service. Set 5-1/2" Model D packer @ 4920'. R/U McCullough. Perforated 5-1/2" at 4400'. Ran 149 jts. 2-3/8" EUE tbg., 4353.51', and set cement retainer.
 5/2/84 - R/U B.J. Hughes. Squeezed 2-3/8" w/60 sks. of 50/50 poz, 10% salt, 3/4 of 1% CFR2.
 5/3/84 - R/U McCullough. Ran Gamma Ray, Cement bond log. Cement top 100% @4184'. Perf. 5-1/2", squeeze 1' - 4 holes @ 4110'. Set HOWCO cement retainer on McCullough wireline @ 4090'. Squeezed down 2-3/8" tbg. w/50 sks. 50/50 poz, 10% salt, 2% CaCl2, 3/4 of 1% CFR2.
 5/5/84 - Ran Gamma Ray Bond log. Top of cement 4012'. Drilled cement. Cleaned hole. T.D. 4435'. R/U Schlumberger. Ran NGL and TDT logs, 4400-2500'. 5/12/84 - R/U McCullough. Perf. Shale/4296-4294-4274-4270-4268-4254-4236-4230-4216-4208-4206-4196-4134-4114'. Ran 147 jts. of 2-3/8" EUE tbg. w/HOWCO bridge plug and RTTS tool. R/U B.J. Hughes. Spotted 750 gals. HCL. B/D shale @2740 psi. Treated shale w/533,700 SCF N2, 5,600 SCF/min., 35,300# 20/40 sand. Lost N2 started to screen off. Flushed. AIR 18 bbls./min. ATP 4,000#. Max. pressure 4800. Total fluid 451 bbls., S/L 279 bbls. ISIP 1220#, 15 min.-450#. Ran 151 jts. of 1-1/2". Circulated sand off Model D Packer @ 4920'. Swabbed Oriskaney 1-1/2", no gas. R/U HOWCO. Pumped 300 gals. 15% HCL and 200 gals. treated spacer and 700 gals. HF, 15% acid.

Shut in 1 hr. WIH. Swabbed dry, no gas. Prep. tripped 1-1/2" tbg. out of hole. Set Baker Model 1-1/2" bridge plug @ 4920'. Ran 128 jts. 4330.65' of 1-1/2" w/per. jt. and seating nipple. **FORMATION COLOR HARD OR SOFT TOP FEET BOTTOM FEET** Including indication of all fresh and salt water, coal, oil and gas

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fresh and salt water, coal, oil and gas
See attached original well record.					

(Attach separate sheets as necessary)

Well Operator
 By: Robert E. Harrell
 Date: _____

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

W-3-2M-1-20-47

GODFREY L. CABOT, INC.

WELL RECORD

SERIAL NO. 1232 OPERATING DISTRICT FH
 FARM Poca Coal Land Company NO. 15 LEASE NO.
 COUNTY Putnam TAX DISTRICT Union STATE West Virginia
 DRILLING COMMENCED February 27, 1947 DRILLING COMPLETED June 6, 1947
 CONTRACTOR Godfrey L. Cabot, Inc. Drilling Tools ADDRESS

ROCK PRESSURE RECORD				PRODUCING SAND RECORD			
Oriskany	Sand	1730 lbs. in	25 1/2 hrs.	Oriskany	Sand, from 5057 to 5063	Init. Prod. 424	M. C. F. Gas
	Sand	lbs. in	hrs.		Sand, from to	Init. Prod.	M. C. F. Gas
	Sand	lbs. in	hrs.		Sand, from to	Init. Prod.	M. C. F. Gas

OPEN FLOW				CASING RECORD				
Time, Condition: 1 1/2 Hr. After Shot				SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	HOW CASING SET
Volume	2,157	M. C. F.	inch opening	10-3/4"	48	17	17	
24 HOUR PRODUCTION TEST AFTER TUBING				10-3/4"	32.75	514	514	10-3/4 x 12" Casing Shoe
M. C. F.		Line Pressure		8-5/8"	24	1048	1048	8-5/8" Half Coupling Casing Shoe
Bbls. Oil		in 24 Hours		7"	24	2217	2217	7" x 8-5/8 x 16 B. H. Packer, GLC
BED AND SHUT IN Date 6/13/47								# 155
er, Size	5 1/2	Tubed under pressure		5 1/2	17	4968	4968	5 1/2 x 7 x 15" Lead Spang B. H.
Depth	2"	Size Anchor					5068	Packer, # 22662

SHOOTING RECORD			
Top	5037	Bottom	5068
Top		Bottom	
Shot with 30 Qts from 5055 to 5075 Date June 9, 1947			
Gauge Before Shot 189 M Gauge 1 1/2 Hrs. After Shot 2,157			

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASUREMENTS	HARD OR SOFT	OIL GAS OR WATER	DEPTH FOUND	REMARKS
Surface		0	16					
Bedrock		16	43					
Slate		43	48					
Bedrock		48	55					
Slate		55	100					
Bedrock		100	148					
Slate		148	190					
Bedrock		190	365					
Slate		365	400					
Bedrock		400	440					
Slate		440	490					
Bedrock		490	508					
Lime		508	520					
Slate		520	600					
Bedrock		600	679					
Slate		679	715					
Bedrock		715	775					
Slate & Shell		775	860					
Bedrock		860	910					
Lime	Gray	910	930					
Slate	Black	930	989					
Sand		989	1039			Water	1025	Hole Full
Slate		1039	1085					
Sand	White	1085	1108					
Slate		1108	1158					

JUN 25 1947

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASUREMENTS	HARD OR SOFT	OIL, GAS OR WATER	DEPTH FOUND	REMARKS
Sand		1158	1218					
Slate	Black	1218	1286					
Sand		1286	1306					
Slate		1306	1557					
Sand		1557	1600					
Slate		1600	1680					
Salt Sand		1680	1908			Water	1743	Hole Full
Big Lime		1908	2089					
Slate		2089	2100					
Injun Sand		2100	2140					
Slate		2140	2150					
Sand		2150	2170					
Lime		2170	2193					
Slate		2193	2207					
Lime		2207	2212					
Slate		2212	2220					
Lime	Gray	2220	2230					
Slate		2230	2255	2251				
Shale	Brown	2255	2572					
Sand		2572	2588			Oil & Gas	2577	Snell
Slate & Shell		2588	2739					
Lime	Gray	2739	2749					
Slate		2749	2934					
Lime		2934	2970					
Slate		2970	3785					
Shale		3785	3829					
Slate		3829	3837					
Lime		3837	3880					
Slate		3880	4041					
Shale	Brown	4041	4330	4206		Gas	4206	21 Mcf
Slate	White	4330	4465			"	4268	26 "
Slate	Brown	4465	4488					Note: Shale gas
Slate & Shell		4488	4730					Decreased to 21 Mcf
Shale	Brown	4730	4953					
Corniferous		4953	5049	4976				
Crinkly		5049	5076			Gas	5057	146 Mcf
Lime		5076	5077	5077		"	5058-5059	133 Mcf
						"	5060-5063	424 Mcf
TOTAL DEPTH			5077					
TOTAL DEPTH			5077					

DATE

APPROVED

FOREMAN



1) Date: August 18, 19 83
 2) Operator's Well No. Poca Coal Land Co. #15
 3) API Well No. 47 - 079 - 362-PP
 State County Permit

DRILLING CONTRACTOR:

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

UNKNOWN

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 969.26' Watershed: Cherry Fork
 District: Union County: Putnam Quadrangle: Bancroft - 7-1/2'
- 6) WELL OPERATOR Cabot Oil & Gas Of WV 11) DESIGNATED AGENT Richard P. Parsons
 Address P.O. Box 628 Address P.O. Box 628
Charleston, West Virginia 25322 Charleston, West Virginia 25322
- 7) OIL & GAS ROYALTY OWNER Poca Coal Land Co. 12) COAL OPERATOR NONE
 Address 9 Court Street Address _____
Uniontown, PA. 15401
- 8) SURFACE OWNER Texicon Conference Assoc. 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address of The Seventh Day Adventists Name Poca Coal Land Co.
For Edward Summers Trust Address 9 Court Street
P.O. Box 1399, Amarillo, Texas 79105 Uniontown, PA. 15401
 Acreage 4,850 Name _____
 Address _____
- 9) FIELD SALE (IF MADE) TO:
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Kenneth Butcher
 Address RFD #1
Barboursville, WV 25504
- 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name _____
 Address _____
- 15) PROPOSED WORK: Drill _____ / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
 Plug off old formation X / Perforate new formation X /
 Other physical change in well (specify) Plug back from Oriskany to Brown Shale
- 16) GEOLOGICAL TARGET FORMATION, Shale
- 17) Estimated depth of completed well, 4800 feet
- 18) Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.
- 19) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No X /

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	13-3/8"		48		X	17	17		Kinds
Fresh water	10-3/4"		32-3/4		X	514	514		
Coal	8-5/8"		24		X	1046	1046		Sizes
Intermediate	7"		24		X	2217	2217		
Production	5-1/2"		17		X	4968	4968		Depths set
Tubing						T.D. 5077'			
Liners									Perforations:
									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: [Signature]
 My Commission Expires March 5, 1989

Signed: [Signature]
 Its: District Drilling Superintendent

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-079-0362-PP Date September 27, 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 September 27, 1985 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET BOND	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>[Signature]</u>
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[Signature]
 Administrator, Office of Oil and Gas