915 HITSburgh Coal

10/4/77 LATITUDE 39 (15') 39 30 4.155 3.91W 39 31 25 24 10 Topo Loc. 72 SERIES 50-27-30 SMITH, TRACT DB-75 P-506 (COAL SURVEY) Error of Closure Less than 1 in 7,200 USGS BM#165 RHP on Pickenpaw Run Road Elev = 980 (979.89)ed, hereby certify that this map is correct to the best of my know-Fracture. ledge and belief and snows all the information and regulations of the oil and gas section New Location... Drill Deeper. Map No. STATE OF WEST VIRGINIA DEPARTMENT OF MINES Company Administration Address P.O. Box 880, Morgantown, WV 26505 OIL AND GAS DIVISION Walter B. Smith CHARLESTON 15 \_\_\_Acres . WELL LOCATION MAP Well (Farm) No. \_\_\_\_\_\_\_\_\_ SW . Serial No. 1049.96' MANNING TOM 15 FILE NO.WET-634 Elevation (Spirit Level) \_ Quadrangle Glover Gap, W.Va. (7.5') County Wetzel + Denotes location of well on United States District. Surveyor C. D. Locke Topographic Maps, scale 1 to 52,500, latitude and longitude lines being represented by Surveyor's Registration No. 6981 O. & G.E. border lines as shown. \_Drawing No.. - Denotes one inch spaces on border line of Scale 1" = 400' original tracing. June 28, 1977 47-103 TRASCO 500 10-74 MC3081.

7-0 915' Pirtsburgh Coal SMITHEIELD 101 OFT 7 1977





 $\boxtimes$ 

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES
OIL AND GAS WELLS DIMESTON OF MINES Quadrangle GLOVER GAP (7.5')

WELL RECORD Permit No. WET - 634

Oil or Gas Well RESEARCH

			On on	(KIND)
Company U.S. D.O.E./Morgantown Energy Tech. Cntr Address P.O. Box 880, Morgantown, W 26505	· Casing and Tubing	Used in Drilling	Left in Well	Packers
Farm Walter B. Smith Acres 15	Size			
Location (waters) Pickenpaw Run	16			Wie a se mouto
Well No. Smith-ERDA-M-1 Elev 1049.96	13			Kind of Packer
District Grant County Wetzel	10			Size of
The surface of tract is owned in fee by Walter B. Smith	8-5/8"		200.15	Size of
Address Smithfield, WV 26437	6-5/8			Depth set
Mineral rights are owned by Mr. &Mrs. Rex Smith	**** 5-1/2	892	892	Depth set.
Address Smithfield, WV 26437	41/2			
Drilling commenced Rotary October 6, 1977-Oct.9, 1977	3			
Drilling completed Cable Tools August 1, 1978	2			
Date Shot	Liners Used			
With		· · · · · · · · · · · · · · · · · · ·	?	,
Open Flow /10ths Water in	Attach copy of co	ementing record	8-5/8 <sup>n</sup> -2	00.15' 10-7-77
/10ths Merc. inInch	CASING CEME	אידבה	5-1/2"-8	10-9-77
Volume	Amount of came	14 1 Lilliannin	JILL	No. Ft.
Rock Pressure lbs hrs.		,		
Oilbbls., 1st 24 hrs.	COAT WAS EN	COLIFICATION	1 <u>L COU</u>	10) Sacks
WELL ACIDIZED (DETAILS)	4/2		528	FEETINCH
WELL FRACTURED (DETAILS)	79.2 EDET	INC	HES 220	FEETINCH
WELL FRACTURED (DETAILS)		INC	HES 896	FEETINCH
PESSI T AFTER TREATMENT &	<del>)                                    </del>		· · · · · · · · · · · · · · · · · · ·	
RESOLT AFTER TREATMENT (Initial open Flow or bbls.)				
TRESCORE AFTER TREATMENT	HOUDS			
reel	Cale Mana			
Producing Sand Pittsburgh Coal Seam	water	Denth 896-	Feet	) 46 to 100 May 100 to
		Denth UJU	707	

Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth	Remarks
MISSING							
SANDSTONE			0.0	204			
SHALE AND LI	MESTONE		204 214	214			
SANDSTONE			E .	357			
SHALE			35 7 370	370			
ASHINGTON C	OAL		393	393			
IME SHALES			397	39 7 472			
VAYNESBURG !"	A'' COAL		472	474		•	
IMESTONE AN	D SHALE		474	515			
VAYNESBURG S			515	515 524			
SHALE			524	528			
VAYNESBURG C	OAL		528	531			
SHALES AND			)	וככ			
SILTSTONES			531	605			
SANDSTONE			605	609			
HALES AND				005			
LIMESTONES			609	793			
EWICKLEY CO.			793	795			
IMESTONE AND	)						
SHALES			795	896			•
HALE	JAL		896	904		1	
TALE			904	923	La Contraction de la Contracti		•
			·	l		Ì	
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				A second design	e de la companya de l	W-1	
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## Oil and Gas Division DEFT. OF MINES

## OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.	September 29, 1977
Surface Owner Mr. Walter B. Smith	DATE U.S. Energy Research and
Burrace Owner	Company Development Administration
Address Smithfield, WV 26437	Address P.O. Box 880, Morgantown, WV 26505
Mineral Owner Mr. & Mrs. Rex Smith	Farm Walter B. Smith Acres 15
Address Smithfield, WV 26437	Location (waters) Pickenpaw Run
Coal Owner Consolidation Coal Company	Elevation 2015
Address P.O. Box 1632, Fairmont, WV 26554	County
Coal Operator	Quadrangle Glover Gap (7.5')
Address	
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 <u>drilling</u> . This permit shall expire if	
operations have not commenced by 2-4-78	
Thete to de	D1.2112 m
Deputy Director - Oil & Gas Division INSPECTO	R TO BE NOTIFIED Phillip Tracy
GENTLEMEN: 758	-4573 APPRESS Middlebourn, W. Va.
	research purposes
cooperative	ne above named farm or tract of land for xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Continental Oil Co. The H S of America	dated19 Jule19 Consolidation Coa
Continental Oil Co. made to The U.S. of America  19_77, in Wetzel County, Book #45	neous and recorded on the day of March
XXX NEW WELLDRILL DEEPER	REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLE	
have been nothled as of the above date.	or licensed land surveyor and all coal owners and/or operators
The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or	notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days. *
Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the Delivery of the Delivery of the Delivery of this copy to the Delivery of the De	y registered mail, or delivered to the above named coal operators  day
GASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	Very truly yours, I D Ani bland
<pre>#est Virginia Geological and Economic Survey P. 0. Box 879</pre>	(Sign Name) V. Well Operator L. D. Strickland
Morgantown, W. Va. 26505 - Addre	Morgantown Energy Research Center
of Well Ope	P.O. Box 880
	City or Town
$\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}}}}}}}}}}$	West Virginia 26505
	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.

Wet-634 PERMIT NUMBER 47-103

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

PROPOSED WORK ORDER T	O XXX DRILL	DEEPEN	_ FRACTURE-STIMULATE
DRILLING CONTRACTOR: (		RESPONSIBLE AGE	· NT:
NAME Paramount Explo	oration, Inc.	NAME L. D. Str	rickland
ADDRESS Waynesburg, PA	15270	P.O. Bo	ox 880
TELEPHONE 412/627-	-6144	TELEPHONE 500	cown, WV 26505 9-7494
ESTIMATED DEPTH OF COM		POWADY X	CABLE TOOLS
			CABLE TOOLS
	RMATION: <u>Pittsburgh c</u> oal		
TYPE OF WELL: OIL	GASCO	MBSTORA	GE DISPOSAL
	RECYCLIN	G WATER F	LOODOTHER*
	*IInd	orground Cool Co-	
TENTATIVE CASING PROGRA	AM:	lerground Coar Gas	ification Research
CASING AND TURNS			
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN	CEMENT FILL UP
20 - 16	DRILLING	WELL	OR SACKS - CUBIC FT.
13 - 10			
9 - 5/8			
8 - 5/8	200 5.	000 5	
7	200 ft.	200 ft.	Surface to 200 ft.
5 ½	007 ft		
4 ½	897 ft.	897 ft.	Surface to 897 ft.
	n instrumentation well.		
2 Drilling will commen	ice soon; however, it will	1 ho	Peri. Top
Liners 10-12 months befor	e completion.	rr be	Perf. Bottom
			Perf. Top
			Perf. Bottom
APPROXIMATE FRESH WATER	R DEPTHS 40 FEET _	SALT WATER	RFEET
APPROXIMATE COAL DEPTHS	900 ft.		
IS COAL BEING MINED IN TH	HE AREA? No	BY WHOM?	•
mo part		DI WHOM: _	
TO DRILL:			
SUBMIT FIVE (5) COPIES	G OF OG - 1, \$100.00 PERMIT	FEE, PERFORMANCE	BOND AND PERMANENT COPY
OF PLAT.			
TO DRILL DEEPER OR REDRI	<b>LL:</b>		
SUBMIT FIVE (5) COPIES	OF OG - 1, SHOWING ORIGIN	AT. PERMIT NITMETE A	AND PERFORMANCE BOND. ON
" Page String TitlOff	10 1929, A PERMANENT COP	Y OF THE PLAT AND	THE ORIGINAL WELL RECORD
MUST ALSO BE SUBMITT	ED.		THE CHIGHVAL WELL RECORD
TO FRACTURE - STIMULATE:			
	Diction	•	
BOND PERMANENT DI AT	PRIGINALLY DRILLED BEFORE T AND ORIGINAL WELL RECO	JUNE 5, 1929, FIVE (5	) COPIES OG - 1, PERFORMANCE
.,	AND ORIGINAL WELL RECO	RD.	· · · · · · · · · · · · · · · · · · ·
INC ORIGINAL DEDMIT ALL	DRIGINALLY DRILLED ON AND	OR AFTER JUNE 5, 19	929, FIVE COPIES OG - 1, SHOW-
	SMBER, AND FERFORMANCE B	UND.	
Required forms must be file	ed within ninety (90) days of con	npletion for bond release	. Inspector to be notified twenty-
four (24) hours in advance.			Adoption to be nothled twenty-
		·	
The following waiver must			
thereof.	be completed by the coal operat	or if the permit is to be	icsuad within tan Jan e
			e issued within ten days of receipt
WAIVER: I the undersigned, Age			
WAIVER: I the undersigned, Age this lease have examin	ent for Consolidation	Coal Company, Owns	er or Operator of the goal under
this lease have examin	ent for <u>Consolidation</u> ed and place on our mine maps	Coal Company, Owns	er or Operator of the coal under
We theConsolida	ent for Consolidation ed'and place on our mine maps tion Coal Company hav	Coal Company, Owner this proposed well locate no objections to said	er or Operator of the coal under
We the Consolida  providing operator has	ent for Consolidation ed'and place on our mine maps tion Coal Company hav	Coal Company, Owner this proposed well locate no objections to said	er or Operator of the goal under
We theConsolida	ent for Consolidation ed'and place on our mine maps tion Coal Company hav	Coal Company, Owner this proposed well locate no objections to said	er or Operator of the coal under
We the Consolida  providing operator has	ent for Consolidation ed'and place on our mine maps tion Coal Company hav	Coal Company, Owner this proposed well local te no objections to said to the company of the comp	er or Operator of the coal under tion.  well being drilled at this location,  7, Chapter 22 of the West Virginia
We the Consolida  providing operator has	ent for Consolidation ed'and place on our mine maps tion Coal Company hav	Coal Company, Owner this proposed well locate no objections to said	er or Operator of the coal under tion.  well being drilled at this location,  7, Chapter 22 of the West Virginia

WELL OPERATOR AND THE THIRD COS ADDRESSES.

## STATE OF WEST VIRGINIA DEPARTMENT OF MINES



OIL AND GAS WELLS DIVISION

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, OHE COPY MAILED TO THE DEPARTMENT, OHE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIED IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE

AFFIDAVIT OF PLUGGING AND FILLING WELL OIL AND GAS DIVISION WYDDIANIMENT OF MALE

OCT 25 1982

COAL OPERATOR OR OWNER  Northern West Virginia Region P.O. Box 1314, Morgantown, WV 26505  ADDRESS  COAL OPERATOR OR OWNER  ADDRESS  Mr. Walter B. Smith	P.O. Box 880, Morg.	antown, WV 2	26505 <b>19</b>
ADDRESS  COAL OPERATOR OR OWNER  ADDRESS  Mr. Walter B. Smith	September 29 WELL AND Grant	C ADDRESS	
COAL OPERATOR OR OWNER  ADDRESS  Mr. Walter B. Smith	September 29 WELL AND Grant		<b>_19</b> <sup>82</sup>
ADDRESS Mr. Walter B. Smith	Grant WALL AND	LOCATION	43
Mr. Walter B. Smith	_		
Mr. Walter B. Smith	Wetzel		_District
	Wetzel		
		-l	County
LEASE OR PROPERTY OWNER			
Smithfield, WV 26437	Well No Smith-ERDA	.–M–1	
ACCRECES			
	Walter B. Smith		Farm
ALAN MANAGAN GUNNAMANAN AT TIGANIA	Robert A. Lowther		
TATE INSPECTOR SUPERVISING PLUGGING	***************************************		***************************************
AFFI	DAVIT		
TATE OF WEST VIRGINIA,		•	•
<b>} 83:</b>			
ounty of Wetzel	T.		
Chisler Brothers	and		
rell operator, and participated in the work of plures commenced on the 22 day of September			
nd filled in the following manner:	, 19, and th	nat the well was	s plugged
UD OR TONE RECORD	SUICE HEEF		ASING
	PLUGE USEC	5 C.	ASING
hountaich.	SIZE & KIHO		LEFT IN
This monitor well is fi	11ed from the	556	8 5/8" -
This monitor well is fi Pittsburgh Coal (900')	11ed from the to the surface	SSC PULLED	LEFT IN
This monitor well is fi Pittsburgh Coal (900') with cement containing	11ed from the to the surface	SSC PULLED	8 5/8" -
This monitor well is fi Pittsburgh Coal (900')	11ed from the to the surface	SSC PULLED	8 5/8" -
This monitor well is fi Pittsburgh Coal (900') With cement containing and %" s.s. tubing.	11ed from the to the surface monitor wires	SSC PULLED	8 5/8" -
This monitor well is fi Pittsburgh Coal (900') With cement containing and 4" s.s. tubing.  Plugging entailed cutti	11ed from the to the surface monitor wires	SSC PULLED	8 5/8" -
This monitor well is fi Pittsburgh Coal (900') with cement containing and '4" s.s. tubing.  Plugging entailed cutti 2 feet below the surface	lled from the to the surface monitor wires  ng off the casing the and welling a	SSC PULLED	8 5/8" -
This monitor well is fi Pittsburgh Coal (900') With cement containing and 4" s.s. tubing.  Plugging entailed cutti	lled from the to the surface monitor wires  ng off the casing the and welling a	SSC PULLED	8 5/8" -
This monitor well is fi Pittsburgh Coal (900') with cement containing and '4" s.s. tubing.  Plugging entailed cutti 2 feet below the surface	lled from the to the surface monitor wires  ng off the casing the and welling a	SSC PULLED	8 5/8" -
This monitor well is fi Pittsburgh Coal (900') with cement containing and '4" s.s. tubing.  Plugging entailed cutti 2 feet below the surface	lled from the to the surface monitor wires  ng off the casing the and welling a	SSC PULLED	8 5/8" -
This monitor well is fi Pittsburgh Coal (900') with cement containing and '4" s.s. tubing.  Plugging entailed cutti 2 feet below the surface	lled from the to the surface monitor wires  ng off the casing the and welling a	SSC PULLED	8 5/8" -
This monitor well is fi Pittsburgh Coal (900') with cement containing and '4" s.s. tubing.  Plugging entailed cutti 2 feet below the surface	lled from the to the surface monitor wires  ng off the casing the and welling a	SSC PULLED	8 5/8" -
This monitor well is fi Pittsburgh Coal (900')  with cement containing and '4" s.s. tubing.  Plugging entailed cutti 2 feet below the surface	lled from the to the surface monitor wires  ng off the casing the and welling a	SSC PULLED	8 5/8" -
This monitor well is fi Pittsburgh Coal (900')  with cement containing and '4" s.s. tubing.  Plugging entailed cutti 2 feet below the surface	lled from the to the surface monitor wires  ng off the casing the and welling a	SSC PULLED	8 5/8" -
This monitor well is fi Pittsburgh Coal (900') with cement containing and '4" s.s. tubing.  Plugging entailed cutti 2 feet below the surface	lled from the to the surface monitor wires  ng off the casing the and welling a	SSC PULLED	8 5/8" -
This monitor well is fi Pittsburgh Coal (900') with cement containing and '4" s.s. tubing.  Plugging entailed cutti 2 feet below the surface	Illed from the to the surface monitor wires  Ing off the casing the and welling a casing.	SSC PULLED	5:3 SEFT IM 8 5/8" - 5 1/2" -
This monitor well is fi Pittsburgh Coal (900')  With cement containing and '\'' s.s. tubing.  Plugging entailed cutti 2 feet below the surfac steel plate on top of c	Illed from the to the surface monitor wires  Ing off the casing the and welling a casing.	PULLED	5:3 SEFT IM 8 5/8" - 5 1/2" -
This monitor well is fi Pittsburgh Coal (900')  With cement containing and '4" s.s. tubing.  Plugging entailed cutti 2 feet below the surfact steel plate on top of coal standard stand	Illed from the to the surface monitor wires  Ing off the casing the and welling a transfer.  DESCR. Well locat	RIFTION OF MONUM	8 5/8" - 5 1/2" -
This monitor well is fi Pittsburgh Coal (900') with cement containing and %"s.s. tubing.  Plugging entailed cutti 2 feet below the surfact steel plate on top of coal seams  COAL SEAMS	Illed from the to the surface monitor wires  Ing off the casing re and welling a rasing.  DESCR  Well locat monument e	RIFTION OF MONUM	8 5/8" - 5 1/2" -
This monitor well is fi Pittsburgh Coal (900') with cement containing and 'a'' s.s. tubing.  Plugging entailed cutti 2 feet below the surfac steel plate on top of c	Illed from the to the surface monitor wires  Ing off the casing the and welling a transfer.  DESCR. Well locat	RIFTION OF MONUM	8 5/8" - 5 1/2" -

6 th day of

Sworn to and subscribed before me this\_

My commission expires:

3-4-87

Notary Public.

Permit No. 103-0634-P