

TRASCO 500 10-74 MC3081-

Plot\_\_\_Log\_\_Card\_ LATITUDE 39 32 (15') 39 35 4.165 3.90W Tope. L 72 SERIES SMITH, TRACT DB-75 P-506 (COAL SURVEY) Less than 1 in 7,200 m Error of Closure\_ USGS BM#165 RHP on Pickenpaw Run Road Elev. = 980 (979.89)I, the undersigned, hereby certify that this map is cledge and belief and shows all the information requand regulations of the oil and gas section of the ed, hereby certify that this map is correct to the best of my know-and shows all the information required by paragraph 6 of the rules Fracture... New Location. Drill Deeper..... Map No. U.S. Energy Research and **Company** Development Administration STATE OF WEST VIRGINIA DEPARTMENT OF MINES P.O. Box 880, Morgantown, WV 26505 OIL AND GAS DIVISION Walter B. Smith CHARLESTON Tract. Acres Lease No. WELL LOCATION MAP M-2Well (Farm) No. . \_ Serial No. \_ Elevation (Spirit Level) 1051.23' MANNING TON FILE NO.WET-635 Quadrangle Glover Gap, W.Va. (7.5') Wetzel Grant + Denotes location of well on United States Topographic Maps, scale 1 to 22,500, latitude and longitude lines being represented by County \_ \_District\_ Surveyor C. D. Locke Surveyor's Registration No. 6981 O. & G.E. border lines as shown. OCT 7 \_Drawing No. - Denotes one inch spaces on border line of CR Date original tracing. June 28, 1977 1'' = 400'47-103 \_Scale . TRASCO 500 10-74 MC3081.

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915' Pittsburgh Coal

SMITHFIELD



# STATE OF WEST VIRGINIA DEPARTMENT OF MINES O'L AND GAS WELLS DIVISION

Quadrangle GLOVER GAP (7.51)

Permit No. WET - 635

#### WELL RECORD 9

Rotary	X
Spudder	
Cable Tools	X
Storage	

Oil or Gas Well RESEARCH

			On or	(KIND)
Company U.S. D.O.F./Morgantown Energy Tech. Cntr. Address P. O. Box 880, Morgantown, WV 26505	Casing and Tubing	Used in Drilling	Left in Well	Packers
Farm Walter B. Smith Acres 15	Size			
Location (waters) Pickenpaw Run	16			Kind of Packer
Well No. Smith-ERDA M-2 Elev. 1051.23'	13	)	3	
District Grant County Wetzel	10	Į.		Size of
The surface of tract is owned in fee by Walter B. Smith	8 x 8-5/8"	201'	201'	
Address Smithfield, WV 26437	6 <del>5</del> ⁄a	•		Depth set
Mineral rights are owned by Mr. & Mrs. Rex Smith	<del>ያ</del> አንት 5-1/2	8931	8931	
Address Smithfield, WV 26437	41/2			
Drilling commenced Rotary October 13-17, 1977	3		į	Perf. top
Drilling completed Cable Tools August 4, 1978	2			•
Date Shot	Liners Used			
With	ž.			Perf. bottom
Open Flow /10ths Water in	Attach copy of c	ementing record	ı. 8-5/8''-2	01' 10-15-77 93' 10-17-77
/10ths Merc. inInch	CASING CEME	ENTED	5-1/2''-8 SIZE	93' 10-17-77 No Fi
Volume	Amount of ceme	int used (bags)	8-5/8" -	93' 10-17-77 No. FtD 105 sacks
Rock Pressure lbs. hrs.	Name of Service		1rton	170 sacks
Oilbbls., 1st 24 hrs.				FEETINCH
WELL ACIDIZED (DETAILS)	471 FEET			FEETINCH
	795 FEE	r inc	HES 896	FEET INCH
WELL FRACTURED (DETAILS)		***************************************		INCA
RESULT AFTER TREATMENT (Initial open Flow or bbls.)				
ROCK PRESSURE AFTER TREATMENT	- HOURS			
Fresh Water Feet	Salt Water.		Feet	
Producing Sand Pittsburgh Coal Seam		Depth 896-9	03	

Producing Sand P.I	Producing Sand Pittsburgh Coal Seam				Depth 896-90	3	Men
Formation	Color	Hard or Soft	(FT.) <b>Top</b>	(FT.) Bottom	Oil, Gas or Water	Depth	Remarks
UNCONSOLIDATE	D						
SEDIMENTS	- I		0	10			
SILTSTONES AN	ID .		J	10	Mind	L-12 12 12 13 6-116	
SHALES			10	65		Maria William	
SANDSTONE			65	73	ا المستعمل ا	***************************************	
SILTSTONES		l	73	136	1	4000	
SANDSTONE	1		136	141		1970	
SHALE			141	146	OILAG	6.00	
SANDSTONE			146	151		STAVISION	
LIME SHALES			151		1	FMINES	
SANDSTONE			190	190			
SILTSTONE	1		201	201			
SANDSTONE			201	209			
SHALES AND			209	212			
SILTSTONE	Ì		212	251			
SANDSTONE	1		354	354 360	1		
SHALE	İ		369	369 394			
WASHINGTON		1	<b>)</b>	)) <del>4</del>			
COAL	ļ		<b>3</b> 94	398			
LIME SHALE			398	471			
WAYNESBURG A			J) (	4/1			•
COAL			471	473	.		
SHALES AND			. 7/1	4/3			
LIMESTONES	İ		473	514			
WAYNESBURG			7/3	717			
SANDSTONE		-	514	525		A CONTRACTOR	
SHALE		p	<b>52</b> 5	526	-		
WAYNESBURG CO.	AL I		526	530		The state of the s	
SILTSTONE AND			720	∪ر ر			
SHALES			530	605	A Company		
	<del></del>			000	<del></del>		

Formation Color Hard or Soft	Top Feet 9	Bottom Feet	Oil, Gas or Water * Remarks
SANDSTONE SHALE AND LIMESTONE SEWICKLEY COAL LIMESTONE AND SHALE PITTSBURGH COAL	605 610 795 797 896	610 795 797 896 903	
SHALE	896 903	903 915	

APPROVED U.S. D.O.E./Morgantown Energy Owner

By (Title)





#### DEPARTMENT OF MINES

## OIL & GAS DIVISION DEPT. OF MINES

### Oil and Gas Division

### OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,		
Charleston, W. Va.	DATESeptember 29,	
Surface Owner Mr. Walter B. Smith	U.S. Energy F Company Development A	
Address Smithfield, WV 26437	Address P.O. Box 880,	
Mineral Owner Mr. & Mrs. Rex Smith	Farm Walter B. Smith	
Address Smithfield, WV 26437	TO-2 - 1 -	enpaw Run
Coal Owner Consolidation Coal Company	(11111111111111111111111111111111111111	Elevation 1051.23
Address P.O. Box 1632, Fairmont, WV 26554	. District Grant	
Coal Operator	. District	Oounty
Address	- Quaurangie	
THIS PERMIT MUST BE POSTED AT THE WELL SITE		
I 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		
or erations have not commenced by 2-4-78		
	CMOD MO DD	Phillip Tracy
	CTOR TO BE NOTIFIED	
Debuty Director - On & Ods Division	/JO=4J/J ADDDDGG	Middlebourn, W. Va.
	758=4575 ADDRESS	Middleboarn, W. VA.
GENTLEMEN:	ZDDRESS	research nurnoses
GENTLEMEN:  The undersigned well operator is entitled to drill upon the	above named farm or tract of	research purposes
GENTLEMEN:  The undersigned well operator is entitled to drill upon the cooperative title thereto, (or as the case may be) under grant and an arrangement of the cooperative c	above named farm or tract of agreement 14 June	research purposes land for with the land for with the land for the land for the land feet and land feet la
GENTLEMEN:  The undersigned well operator is entitled to drill upon the cooperative title thereto, (or as the case may be) under grant and inental Oil Co. made to The U.S. of America	above named farm or tract of agreement 14 June	research purposes land for with the land for with the land for the land for the land feet and land feet la
GENTLEMEN:  The undersigned well operator is entitled to drill upon the cooperative title thereto, (or as the case may be) under grant and the cooperation of the unit of the	above named farm or tract of agreement 14 June	research purposes land for with the land for with the land for the land for the land feet and land feet la
GENTLEMEN:  The undersigned well operator is entitled to drill upon the cooperative title thereto, (or as the case may be) under grands as a second timental Oil Co. made to The U.S. of America 19 77, in Wetzel County, Book #45	above named farm or tract of e agreement 14 June ated and recorded on the eous 173	research purposes land for with the land for with the land for with the land fee 19 74 by Consolidation Fourth day of March
GENTLEMEN:  The undersigned well operator is entitled to drill upon the cooperative stitle thereto, (or as the case may be) under grandx and a service statements of the U.S. of America of the U.S. of Americ	above named farm or tract of e agreement 14 June ated and recorded on theeous 173 REDRILL F	research purposes land for with the land for with the land for with the land fee 19 74 by Consolidation Fourth day of March
GENTLEMEN:  The undersigned well operator is entitled to drill upon the cooperative title thereto, (or as the case may be) under grant and exercised inental Oil Co. made to The U.S. of America  19 77, in Wetzel County, Book #45  XXX NEW WELL DRILL, DEEPER  OIL AND GAS WELL ORIGINALLY DRILLED  The enclosed plat was prepared by a registered engineer of	above named farm or tract of e agreement 14 June ated and recorded on the eous	research purposes land for with the state of
GENTLEMEN:  The undersigned well operator is entitled to drill upon the cooperative title thereto, (or as the case may be) under grants with the cooperative in the cooperative of the c	above named farm or tract of e agreement 14 June ated and recorded on the eous	research purposes land for with the state of
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The undersigned well operator is entitled to drill upon the cooperative title thereto, (or as the case may be) under grandant with inental Oil Co. made to The U.S. of America  19 77 in Wetzel County, Book #45  XXX NEW WELL DRILL DEEPER  OIL AND GAS WELL ORIGINALLY DRILLED  The enclosed plat was prepared by a registered engineer of have been notified as of the above date.  The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address	above named farm or tract of agreement 14 June ated and recorded on the eous 173 REDRILL F  BEFORE JUNE 5, 1969.  The licensed land surveyor and all the licensed land s	research purposes land for xixxxixxix, having fee 19 74 by Consolidation Fourth day of March  FRACTURE OR STIMULATE  coal owners and/or operators wish to make, or are required les within ten (10) days. *  the above named coal operators
The undersigned well operator is entitled to drill upon the cooperative title thereto, (or as the case may be) under grant was exacted inental Oil Co. made to The U.S. of America  19 77, in Wetzel County, Book #45  XXX NEW WELL DRILL DEEPER  OIL AND GAS WELL ORIGINALLY DRILLED  The enclosed plat was prepared by a registered engineer of have been notified as of the above date.  The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or file Copies of this notice and the enclosed plat were mailed by	above named farm or tract of agreement 14 June ated and recorded on the eous 173 REDRILL F  BEFORE JUNE 5, 1969.  The licensed land surveyor and all the licensed land s	research purposes land for xixxxixxix, having fee 19 74 by Consolidation Fourth day of March  FRACTURE OR STIMULATE  coal owners and/or operators wish to make, or are required les within ten (10) days. *  the above named coal operators
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The undersigned well operator is entitled to drill upon the cooperative title thereto, (or as the case may be) under grant extended to inental Oil Co. made to The U.S. of America Miscelland County, Book 445  XXX NEW WELL DRILL, DEEPER  OIL AND GAS WELL ORIGINALLY DRILLED  The enclosed plat was prepared by a registered engineer of have been notified as of the above date.  The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit 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 Depthylical Logs delivery of this copy to the Depthylical Logs delivery To:  West Virginia Geological and Economic Survey	above named farm or tract of e agreement 14 June  and recorded on the eous 173  Page 173  REDRILL F  BEFORE JUNE 5, 1969.  In licensed land surveyor and all notified that any objection they led with the Department of Mineregistered mail, or delivered to the cartment of Mines at Charleston, very truly yours, (Sign Name)	research purposes land for xixxxixxix, having fee 19 74 by Consolidation Fourth day of March  FRACTURE OR STIMULATE  coal owners and/or operators wish to make, or are required les within ten (10) days. *  the above named coal operators before, or on the West Virginia.  March  Mest Virginia.
The undersigned well operator is entitled to drill upon the cooperative title thereto, (or as the case may be) under grants and sexual inental Oil Co. made to The U.S. of America Miscelland County, Book #45  XXX NEW WELL DRILL, DEEPER  OIL AND GAS WELL ORIGINALLY DRILLED  The enclosed plat was prepared by a registered engineer of have been notified as of the above date.  The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit 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 Depth PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  West Virginia Geological and Economic Survey P. O. Box 879  Morgantown, W. Va. 26505  Address	above named farm or tract of e agreement 14 June  and recorded on the eous 173  Page 173  REDRILL F  BEFORE JUNE 5, 1969.  In licensed land surveyor and all electronic day led with the Department of Mineratter of Mines at Charleston, very truly yours, Sign Name Morgantown Engagement of Morgantown Engagement of Morgantown Engagement of Morgantown Engagement of Morgantown Engagement of Morgantown Engagement of Morgantown Engagement of Morgantown Engagement 14 June 18	research purposes land for xixxxixxix, having fee 19 74 by Consolidation Fourth day of March  FRACTURE OR STIMULATE  coal owners and/or operators wish to make, or are required les within ten (10) days. *  the above named coal operators before, or on the West Virginia.  Mest Virginia.  L. D. Strickland mergy Research Center
The undersigned well operator is entitled to drill upon the cooperative title thereto, (or as the case may be) under grant and cooperative inental Oil Co. made to The U.S. of America Miscelland Misc	above named farm or tract of agreement 14 June  and recorded on the group and recorded on the group and recorded on the group and all another and all another are group another are group and all another are group and all another are group another are group and all another are group another are group another are group and all another are group and all another are group and all another are group another are group another are group another are group another are group another are group another are group another are group another are group another are group another are group another are group another are group anot	research purposes land for xixxxixxix, having fee 19 74 by Consolidation Fourth day of March  FRACTURE OR STIMULATE  coal owners and/or operators wish to make, or are required les within ten (10) days. *  the above named coal operators before, or on the West Virginia.  Mest Virginia.  L. D. Strickland mergy Research Center
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The undersigned well operator is entitled to drill upon the cooperative title thereto, (or as the case may be) under grant and cooperative inental Oil Co. made to The U.S. of America Miscelland Misc	above named farm or tract of e agreement 14 June  and recorded on the eous 173  Page 173  REDRILL F  BEFORE JUNE 5, 1969.  In licensed land surveyor and all streets and surveyor and all streets are day day  registered mail, or delivered to the day day  fartment of Mines at Charleston,  Very truly yours,  Sign Name  Morgantown Ends of the streets and the streets are desired to the streets are desi	research purposes land for xixxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

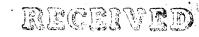
\*SECTION 3.... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, 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-635 PERMIT NUMBER 47-103

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

PROPOSED WORK ORDER T	O DRILL	DEEPEN	FRACTURE-STIMHILATE
DRILLING CONTRACTOR: (	If Known)	RESPONSIBLE AGEN	
NAME Paramount Explo	ration, Inc.		ickland : 880
ADDRESS Waynesburg,	PA 15370		: 880 <del>wn,</del> WV-26505
TELEPHONE412/627-63	144	-10 L Buile	7494
ESTIMATED DEPTH OF COM	PLETED WELL: 915 ft.	ROTARY	CABLE TOOLS
PROPOSED GEOLOGICAL FO	RMATION: Pittsburgh coa	1	. CADLE TOOLS
	GAS CO		T. Dropo a
			OOD*
TENTATIVE CASING PROGRA	ÀM:	Underground Coal G	asification Research
CASING AND TUBING	USED FOR	LEFT IN	CEMPAGE
SIZE	DRILLING	WELL	OR SACKS - CUBIC FT.
20 - 16			
13 - 10 9 - 5/8			
7	200 ft.	200 ft.	Surface to 200 ft.
(5 1/2)	007		
4 ½	897 ft.	897 ft.	Surface to 897 ft.
3 Well (M-2) will be	an instrumentation well.		
2 Drilling will comme	nce soon; however, it wi	ll be	Perf. Top Perf. Bottom
Liners 10-12 months befo	re completion.	1	Perf. Top
			Perf. Bottom
APPROXIMATE FRESH WATER	R DEPTHS 40 FEET	SALT WATER	FEET_
AFFROAMATE COAL DEPTHS	900 IL.		
IS COAL BEING MINED IN TH	HE AREA? No	BY WHOM?	
TO DRILL:			
SUBMIT FIVE (5) COPIES OF PLAT.	OF OG - 1, \$100.00 PERMIT	FEE, PERFORMANCE B	OND AND PERMANENT COPY
TO DRILL DEEPER OR REDRI	T.T.		
		* mm=	
WELLS DRILLED PRIOR MUST ALSO BE SUBMITT	OF OG - 1, SHOWING ORIGINA TO 1929, A PERMANENT COPY ED.	L PERMIT NUMBER AN OF THE PLAT AND T	D PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD
TO FRACTURE - STIMULATE:			
OIL AND/OR GAS WELL O	RIGINALLY DRILLED BEFORE AND ORIGINAL WELL RECOR	JUNE 5, 1929, FIVE (5) (	COPIES OG - 1, PERFORMANCE
OIL AND/OR GAS WELL O	RIGINALLY DRILLED ON AND	OR ARTER HIME = 100	·
	TELL ORMANCE BU	ND.	
four (24) hours in advance.	d within ninety (90) days of com	pletion for bond release.	Inspector to be notified twenty-
The following waiver must thereof.	be completed by the coal operator	r if the permit is to be i	ssued within ten days of receipt
WAIVER: I the undersigned Age	nt for Consolidation	0.10	
WAIVER: I the undersigned, Age this lease have examin	ed and place on our mine maps	Coal Company, Owner this proposed well location	or Operator of the coal under
We theConsolid	ation Coal Company have	no objections to said we	ill boing duilled at Alice
providing operator has code.	complied with all rules and regulati	ons in Articles 4, 5, and 7	Chapter 22 of the West Virginia
		Jan m lali	luser
		Fo Po	c Cont Company
		Lay M /Jens	of Engineering

## STATE OF WEST VIRGINIA DEPARTMENT OF MINES



OIL AND GAS WELLS DIVISION

OCT 25 1982

#### AFFIDAVIT OF PLUGGING AND FILLING WELL

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

Consolidation	n Coal Company	U.S.	Department of Er	nergy	
Northern West	OCTEATOR OR COMMEN Virginia Region 4, Morgantown, WV 26505		NAME OF WELL OF	PERATOR	
P.O. Box 1314		P.O.	Box 880, Morgant		26505
	ADDRESS	Cont	COMPLETE ADD	RESS	0.0
COAL	OPERATOR OR OWNER	septe	ember 29	CATION	<b>19</b> 82
· ·		Grant			District
	ADGRESS				District
Mr. Walter B.	. Smith	Wetze	21		_County
	OR PROPERTY OWNER			•	
Smithfield, V		Well. No	Smith-ERDA-M-	-2	
	ADORESS	Walte	er B. Smith		Farm
ETATU INGDECTOR	SUPERVISING PLUGGING	Robei	rt A. Lowther		
STATE MISTERIOR	SUPERVISING PLUGGING		HI BOWCHEL		*************
peing first duly solugging and filling well operator, and		ployed by	U.S. Departme	ent of Ene	ergy
was commenced or and filled in the f	n the 22 day of September			he well was	s plugged
was commenced or and filled in the found on zone record	n the 22 day of September ollowing manner:				s plugged
and filled in the fo	n the 22 day of September ollowing manner:		, 19_82 , and that the		
and filled in the found on zone recor	n the 22 day of September ollowing manner:		PLUGE USED	G. C.	223 LEFT IN 8 5/8" -
and filled in the found on zone recor	n the 22 day of September ollowing manner:  FILLING MATERIAL  This monitor well is fincoal (900') to the surface.	lled from	PLUGE USED  SIZE & KING  the Pittsburgh ement containing	CS C PULLED	ASING 333 LEPT IN
and filled in the found on zone recor	n the 22 day of September ollowing manner:  FILLING MATERIAL  This monitor well is firm	lled from	PLUGE USED  SIZE & KING  the Pittsburgh ement containing	CS C PULLED	223 LEFT IN 8 5/8" -
and filled in the found on zone recor	This monitor well is fincoal (900') to the surfamonitor wires and 4" s.s	Lled from ace with s. tubing	PLUGE USED  SIZE & KING  the Pittsburgh ement containing	CS C PULLED	223 LEFT IN 8 5/8" -
and filled in the found on zone recor	This monitor well is fical (900') to the surfamonitor wires and ½" s.s.	Lled from ace with s. tubing	PLUGE USED  SIZE & KIND  the Pittsburgh ement containing  casing 2 feet	CS C PULLED	223 LEFT IN 8 5/8" -
and filled in the found on zone recor	This monitor well is find monitor wires and 1/2" s.s.  Plugging entailed cutting below the surface and well as a surface and well as	Lled from ace with s. tubing	PLUGE USED  SIZE & KIND  the Pittsburgh ement containing  casing 2 feet	CS C PULLED	223 LEFT IN 8 5/8" -
and filled in the found on zone recor	This monitor well is fical (900') to the surfamonitor wires and ½" s.s.	Lled from ace with s. tubing	PLUGE USED  SIZE & KIND  the Pittsburgh ement containing  casing 2 feet	CS C PULLED	223 LEFT IN 8 5/8" -
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and filled in the found on zone recor	This monitor well is find monitor wires and 1/2" s.s.  Plugging entailed cutting below the surface and well as a surface and well as	Lled from ace with s. tubing	PLUGE USED  SIZE & KIND  the Pittsburgh ement containing  casing 2 feet	CS C PULLED	223 LEFT IN 8 5/8" -
and filled in the found on zone recor	This monitor well is find monitor wires and 1/2" s.s.  Plugging entailed cutting below the surface and well as a surface and well as	Lled from ace with s. tubing	PLUGE USED  SIZE & KIND  the Pittsburgh ement containing  casing 2 feet	CS C PULLED	223 LEFT IN 8 5/8" -
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and that the work of plugging and filling said	well was completed on the 22 day of
September 19 82	$\mathcal{A}$ $\mathcal{A}$ $\mathcal{A}$ $\mathcal{A}$ $\mathcal{A}$ $\mathcal{A}$
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Sworn to and subscribed before me this 6	the day of October 1982
	Lon Forance
My commission expires:	Notary Public.
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