



IV-35 (Rev 8-81)



### STATE OF WEST VIRGINIA DEPARTMENT OF MINES

	e De		nbe	er	1	. 1	981	i
Oper	ator	:'s						
Well	No.	<b>D</b> .	<b>A</b> -	-91	4			
	ì			fe				
API	No.	47	****	04	9		070	)4

## OIL and GAS DIVISION WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: OIL / GAS X / Liquid Injection (If "Gas", Production / Undergound				(X_/)
	Watershed_ Marion	Pricket		airmont 7.5'
			·	
COMPANY Allegheny Land and Mineral Company 200 W. Main Street, P. O. Box 1740				
ADDRESS Clarksburg, West Virginia 26301	Casing &	Used in	Left	Cement fill up
DESIGNATED AGENT Allegheny Land & Mineral Co. 200 W. Main Street, P. O. Box 1740	Tubing Size	Drilling	in Well	
ADDRESS Clarksburg, West Virginia 26301	20-16 Cond.	300.38	300.38	
SURFACE OWNER J.W. Carpenter, et ux  Route 8 Box 385-A	13-10"			
ADDRESS Fairmont, West Virginia 26554	9 5/8"	•		
MINERAL RIGHTS OWNER Gertrude Shaffer et al 307 School Street ADDRESS Grafton, West Virginia	8 5/8"	1491.14	1491.14	to surface
OIL AND GAS INSPECTOR FOR THIS WORK William	7"			
Blosser ADDRESS Rt. 4,Box 317,Fairmont,W.V.	5 1/2"	7440	7440	w/220 sks
PERMIT ISSUED October 18, 1981	4 1/2 "	7448	7448	6400'
DRILLING COMMENCED September 28, 1981	2			. ,
DRILLING COMPLETED October 9, 1981		RE		<u>ED</u>
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used	U.	0 1 / 1301	
ON		OIL A WYDI	ND GAS DIVIS PARTMENT OF M	SION INES
GEOLOGICAL TARGET FORMATION Oriskany		DEPTH	7550	Feet
Depth of completed well 7560 feet Water strata depth: Fresh 30, 80, 110,	367 & 570 F	Feet Salt _	feet	
Coal seam depth: 142-145,199-202,226-229, 453-460,467-474 & 498-50	<del></del>	coal being	mined in tr	ils area?
OPEN FLOW DATA	_	Dave	3	£
Producing formation Chert  Gas: Initial open flow 14.90 Mcf/d				feet Bbl/d
Final open flow 1122 Mcf/d Time of open flow between ini	) Fi	inial open f	low	Bbl/d
Static rock pressure 3050# psig (surface	measurement			
(If applicable due to multiple completion Second producing formation	•	?ay zone dep	th	feet
Gas: Initial open flow Mcf/d	Oil: Ir	nitial open	flow	Bb1/d
Final open flowMcf/d Time of open flow between ini				
Static rock pressurepsig (surface :		*****		

FORM IV-35 (REVERSE)

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

Well was fractured October 22, 1981 Perforations: 7287-7314 28 holes

### WELL LOG

			<b>+</b>
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Top soil	0	8	1 1/2" stream H <sub>2</sub> O @ 30'
Shale	8	40	1/4" stream H <sub>2</sub> O @ 80'
Shale	40	108	4" stream H <sub>2</sub> O @ 110
Sand	108	142	1/4" stream H <sub>2</sub> O @ 367'
Coal	142	145	1/2" stream H <sub>2</sub> O @ 570'
Shale	145	153	72 502041120 6 570
Sand	153	160	
Sand & Shale	160	199	
Coal	199	202	
Shale	202	226	
Coal	226	229	
Shale	229	236	
Sand	236	267	
Coal	267	371	
Sand & Shale	371	453	
Coal	453	460	
Sand & Shale	460	467	
Coal	467	474	
Shale	474	498	
Coal	498	505	
Sand	505	550	
Red Rock	550	680	
Sand & Shale	680	764	
Sand & Shale	764	831	
L. Lime	831	843	
Sand & Shale	843	1008	
Sand	1008	1113	
Coal	1113	1117	
Sand & Shale	1117	3663	
Benson	3663	3712	
Sand & Shale	3712	6780	
Lime	6780	7040	
Shale	7040	7229	
Sand & Shale Offism.	7229	7560 T.D.	

(Attach seprate sheets as necessary)

Allegheny Land and Mineral Company	
Well Operator	
BY: U'(). Sabat	
Date: 12/8	

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."

(887 F

## RECEIVE

DATE September 1, 1981

Operator's
Well No. A-914

API Well NO. 47 - 049 -

# STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL and GAS DIVISION OIL and GAS WELL PERMIT DEPARTMENT OF

47 - 049 - 0704 State County Permit

LOCATION:	If "Gas", Production/ U Elevation:1432'			/ Deep _xxx _/ Shallow/) eek
	District: Union	County:	Marion	Quadrangle: Fairmont 7.5'
WELL OPERATOR	R Allegheny Land and Mineral Company	-	DESIGNATED AC	GENT Allegheny Land & Mineral Company
Address	P. O. Drawer 1740		Address	P. O. Drawer 1740
	Clarksburg, West Virginia 26301			Clarksburg, West Virginia 26301
OIL & GAS				
ROYALTY OWNER	R Gertrude G. Shaffer, etal		COAL OPERATOR	R Southern Ohio Coal (Matinka Mine #1)
Address	307 School Street		Address	Box 552
	Grafton, West Virginia 26354	*		Fairmont, West Virginia 26554
Acreage	43.49 (Unit 328.45)	- Andrewski de Angles	COAL OWNER(S	) WITH DECLARATION ON RECORD:
SURFACE OWNER	R J. W. Carpenter, etux		Name	Southern Ohio Coal (Matinka Mine #1)
Address	Route 8, Box 385-A	***************************************	Address	Box 552
	Fairmont, West Virginia 26554			Fairmont, West Virginia 26554
Acreage	43.49 (Unit (328.45)	·	Name	Hillman Coal and Coke
FIELD SALE (	IF MADE) TO:Consolidated Gas Supply C	orp	Address	Grant Building
Address	445 West Main Street			Pittsburgh, Pennsylvania 15222
	Clarksburg, West Virginia 26302		COAL LESSEE	WITH DECLARATION ON RECORD:
OIL AND GAS	INSPECTION TO BE NOTIFIED		Name	
Name	William Blosser	-		
Address	Route 4, Box 317			
	Fairmont, West Virginia 26554			
The under	signed well operator is entitled to o	perate for	oil or gas pu	rposes as the above location under a deed
$\underline{XXX}$ / lease	/ other contract/ dated A	pril 15	_, 19 <u>68</u> , to i	the undersigned well operator from
	ffer, etvir unto Phillips Petroleum C			
(If said deed	d, <u>lease</u> , or other contract has been	recorded:)		
Recorded on	<u>May 1</u> , 19 <u>68</u> , in the office	of the Cler	k of the Count	ty Commission of <u>Marion</u> County, West
	Lease Book 726 at page 894			
PROPOSED W	DRK: Drill XXX / Drill deeper/	Podnili	/ Enacture or	o ohimulaha /
ritor osco in	Plug off old formation/ Pe			
	Other physical change in well (	ohecrià\		
	-planned as shown on the work o	rder on the	reverse side	hereof.
The above	named coal operator, coal owner(s),	and coal le	ssee are hereb	by notified that any objection they wish
				partment of Mines within fifteen (15) days

Copies of this Permit Application and the enclosed plat and reclamation plan have beenmailed 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

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO

after the receipt of this Application by the Department.

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1615 WASHINGTON STREET, EAST CHARLESTON, WV 25311

Telephone (304) 348-3092

mailing or delivery of this Permit Application to the Department of Mines at Charleston, West(Virginia.

ALLEGHENY LAND AND MINERAL COMPANY

Daniel L. Wheeler, Vice President

P. 0. Drawer 1740

Clarksburg, West Virginia 26301

#### PROPOSED WORK ORDER

### THIS IS AN ESTIMATE ONLY:

	,	AC	CTUAL IN	VFOR	MOITAM	MUST BE SUBM	ITTED ON FORM	IV-35 UPON COMPLETI	ON
DRILLING CONTE	RACTOR (IF	KNOWN)	Union	Dri.	lling	Company, Inc.	· · · · · · · · · · · · · · · · · · ·		
			P. 0.	Dra	wer 1	740			
			Buckh	anno	n, Wes	st Virginia :	26201		
GEOLOGICAL TAR	RGET FORMA	TION, _	Orisk	any					
Estimated	d depth of	complet	ted wel:	1 _7	550	feet Rota	ry <u>XXX</u> /	Cable tools	
Approxima	ate water	strata	depths:	Fr	esh,	457 feet;	salt,	feet.	
Approxima	ate coal s	eam dept	ths: 18	0-18	2	Is coal being	mined in the	area? Yes/	No XXXX /
CASING AND TUE						93-299, 475-5			
1	5	PECIFICA	ATIONS		1	FOOTAGE	INTERVALS	CEMENT FILL-UP	PACKERS
CASING OR			Weight		1100			or SACKS	• copier circum
TUBING TYPE	Size	Grade	per ft.	New	Used	For Drilling	Left in well	(Cubic Feet)	nageria.
Canduatan	160		l		<u> </u>	201	201		Kinds 1
Conductor   Fresh Water	16"     8-5/8"				<u> </u>	20'	201	cement to surface	Sizes
Coal	8-5/81	1	24#	X	1	700'	700'	cement to surface	. <del> </del>
Intermediate					İ				Depth stands
Production	4-1/2	:	N-80	Х	and the same of th	7550'	7550'	: :	ve/producing horizon or as
T. L. J.			11.616			100-100-100-100-100-100-100-100-100-100		required by Rule	· · · · · · · · · · · · · · · · · · ·
Tubing Liners						or or		11	Perforations:   Top Bottom
LINEIS		<del>-</del>							100 00000
A s	eparate Fo	orm Iv-2 Is to be	2 shall part o	not f th	be ro		acturing or :	stimulating a well wought and is noted a	
has of	recorded receipt th	a decla mereof.	ration	unde	r Cod	e §22-4-20, if	the permit		n fifteen (15) days .
been added to	the mine	map. T	he unde	ne m	ned h	as no objectio	ers the area n to the work	or the well location or the don	well location has examined n, the well location has e at this location, ia Code and the governing
	a 1					•	SOUTHERN	OHIO COAL COMPA	NY
Date: Sop	tember		3_		1	9 <u>8/</u> BY:	John C	a Kiley	
						9 <u>8/</u> BY:	Troport	y Manager	
THIS PERMIT N	AUST BE P	OSTED	AT THE	: \#/		e e e e e e e e e e e e e e e e e e e			
All Crovisiano L									
All provisions be the W. Va. (for drill	eng in ac Code, the   ing	cordance location	e with a is hereb	Chap S ac	fer 2:	2, d			

for \_\_\_\_\_\_ drilling \_\_\_\_\_ . This permit shall expire if

menced by 5-18-82

		DEPART	MENT OF E	NERGY DIV	<u>VIRGINIA</u> VISION OF O	II. IND GIS	d 06/10/91
			WELL WO	RK PERMIT	APPLICATIO		2 06/10/93
1)	Well Ope	erator:		) INC. 9	75 (4)	. 7, 7, 0	
2.)	Operator	's Well	Number:_	<u>A-914 (Sha</u>	ffer Unit)	3) El	evation: 1432'
4)	Well typ	oe: (a) (	oil_/	or Gas	5 <u>XX</u> /		
		(b)	If Gas:		2/	round Storage Shallo	
5)	Proposed	l Target 1	Formation	(s):S	EE ATTACHE	)	
6)	Proposed	l Total De	epth:	3,000	feet		
7)	Approxim	nate fres	n water s	trata dept	hs: <u>30, 80</u> ,	110, 367, 5	570
8)				pths: N/			•
9)						26, 267, 45	3, 498
10)	Does lar	nd contain	n coal se	ams tribut	ary to act	ive mine? Ye	es XX / No /
11)	Proposed	l Well Wo:	ck: SEE	ATTACHED	My Buck	& Spal Em	stro ivell
12)	,	• •		Harmin 1200	1,ewy	and Hole 10	u Foematio
TYPE			<u>CASIN</u> PECIFICAT				
<u> </u>			<u> ECIFICAI</u>	TUNS	FOOTAGE II	TERVALS	CEMENT
Comments and an artist and a second		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Cond	uctor	11-3/4"			30 '	300'	- Loren
Fres	h Water					CAN.	ers, Ouler on
Coal	-		. S E	E ORI	GINAL		C.B.
Inte	rmediate	8-5/8"			144/ RECEI	VED 1491	To surface
Produ	uction	4-1/2"		J.55 10.50#	2 2 2	U 1991 Dans	300' above top pav zone
Tubir	ng				DEFT	OF EMERGY	3965819-11.
Line	rs				Dans		Pelun
PACKI	<u>ERS</u> : Kin	db					
	. Siz Dep	ths set _					
, 24°	· · · · · · · · · · · · · · · · · · ·		H_Diviso	n of Oil =	ind Cas Use	Only	
14	) Tee(s) p	are A		ork Permit		lamat <i>k</i> on Fund	WPCP
Z	Plat 6	1 200-0	WW-	28	and 1	· Mindell	

Page 1 of 21 Form WW2-A (09/87) File Copy

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RECE		
MAY	For OF EMERG	
DE	91.	

1	)	Da	te	May	10,	1991

2) Operator's well number

A-914 (Shaffer Unit)

3) API Well No: 47 - 049 - 00704 F
State - County - Permit

### STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

### NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4)	Surface (	Owner(s) to be served:	5) (a) (	Coal Operato	r:
		John W. & Karen D. Carpenter			Coal Comapny
•	Address	Roure 8. Box 385-A		P. O. Box 700	
		Fairmont, WV 26554		Lancaster, Ol	
	(b) Name		(b) Coa	l Owner(s) w	ith Declaration
	Address				& Coke Company
	·		Address	_108 McCurdy I	Orive
	(c) Name			Pittsburgh, I	
	Address		Name		
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Address		
		The state of the s			-
6)	Inspecto	r Donald Ellis 2604 Crab Apple Lane	(c) Coa	l Lessee wit	h Declaration
	Address	2604 Crab Apple Lane	Name		
		Fairmont, WV 26554	Address		
	Telephone	e (304) - 534 <b>-</b> 5596		<del></del>	
	<b>*</b>		<del></del>		
		TO THE PERSON(S) NAMED AB	OVE TAKE	NOTICE THAT	•
			<u> </u>		naisen .
	Included	is the lease or leases or	other co	ontinuina co	ntract or
cont	racts by	which I hold the right to	extract (	nil and dae	OR
ΥΥ	Included	is the information requir	ed by Cha	onter 228 A	rticle 1
Sect	ion 8(d)	of the Code of West Virgin	is (see r	apcer 220, A	reicie i,
	T cortifi	y that as required under C	ra (see l	Jaye 21	
T h	T CELLIT.	y chac as required under C	mapter 2	zb or the we	st Virginia Code
Indi	ve served	copies of this notice and	applicat	cion, a loca	tion plat, and
accor	mpanying o	documents pages 1 through	20 on th	ne above nam	ed parties,by:
		sonal Service (Affidavit a			
		tified Mail (Postmarked po			d)
	Pub	lication (Notice of Public	ation att	cached)	
	•				_
	I have re	ead and understand Chapter	22B and	38 CSR 11-1	8, and I agree
to th	ne terms a	and conditions of any perm	it issued	d under this	application.
	I certif	y under penalty of law tha	t I have	personally	examined and am
famil	liar with	the information submitted	on this	application	form and all
attad	chments. a	and that based on my inqui	ry of the	nse individu	ale immediately
respo	onsible fo	or obtaining the informati	on I hel	lieve that t	he information
is to		rate, and complete.	On, I Dea	rieve chat t	He INTOLMACION
	T am awa	re that there are signific	1		h: 44: 6-3
info	r am awa	including the are signific	ant beugi	icles for su	omitting raise
THILOT	inacion, .	including the possibility			ment.
		Well Operator,		LNC.	
		By: Marti	Verre		
		Its:	Manager,		
1 2		Address			P. O. Box 1740
	•			rg, WV 26301	
	/	Telephone 30	04 623 <b>–</b> 66	71	
Subsc	cribed and	sworn before me this 10th	day of	May	, 19 <u>9</u> 1
	//				COMMISSIONER
-		else a lox			MAINTAN MANAGEMENT AND
Му со	ommišsion	expires February 21, 1990	)		
•	. 1				
, , ,	/				

State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas

as	Reviewed_TM6-

	We:	ll Operator's Re	port of T	Well WorkRec	orded	
Farm name:	CARPENTER,	JOHN & KAREN	Operator	Well No.: S	SHAFFER A	-914
LOCATION:	Elevation:	1432.00 Quadr	angle: F	AIRMONT EAST	r	-
	District: Latitude: Longitude	UNION 125 Feet Sout 3500 Feet West	h of 80	ounty: MARIO Deg. 25Min Deg. 2 Min	. 0 Sec.	•
Company:ALA		., P.O. BOX 1740	Casing	Used in	Left	Cement
•		26302-1740	& Tubing	   Drilling		Fill Up   Cu. Ft.
Agent: MAR			Size	***************************************		
Inspector: Permit Issue Well work Co	ed:	06/10/91	16"	300'	300'	Surface
Well work C	ompleted: -	09/04/91 10/25/91				
Verbal Pluge Permission	granted on:	3.	8 5/8"	1502	1502'	Surface_
Rotary N/A Total Depth Fresh water	(feet)	Rig 	_4_1/2"			1830'
367', 570' Salt water		- 1	2 3/8"	-	2694'	Telephone designation of the control
Coal Depths	(ft):142-145	area (Y/N)? <u>N</u> 5, 199-202, 226-229 50, 467-474,498-50	***************************************			
OPEN FLOW D		· · · · · · · · · · · · · · · · · · ·				•
T.	inai open i.	flow between in	d Fi nitial and	inai open r.	tow	Bbl/d Bbl/d Hours
Gas: I: F T		flow MCF/	d Fi itial and		flow low ts	Bbl/d Bbl/d Hours Hours
INTERVALS,	FRACTURING IS A SYSTEM	FORM PUT THE OR STIMULATING, MATIC DETAILED ERED BY THE WELI	PHYSICA GEOLOGICA	AL CHANGE,	ETC. 2).	THE WELL
/	CEIVED C 1 0 1991	For: ALAMCO  By: Date:	INC.	F	Richard R.	Hoffman

- 1. Spotted balanced cement plug from 7,001-7,287' KB and pumped 6% Gel up hole to 3,000' KB. Set solid cast iron bridge plug @ 3,050' KB and dumped 1 bailer of Cal-Seal on top of CIBP to permanently abandon deeper zone.
- 2. Shoot squeeze holes @ 3,000-01' KB.
- 3. Circulate cement to bring cement top to 1,830' KB.
- 4. Perforate Speechley Sand (2,708-14') 13 shots.
- 5. Fracture Speechley with 24,890 lbs. of 20/40 Sand.
- 6. Perforate Bayard Sand (2,084-98') 8 shots.
- 7. Fracture Bayard with 47,000 lbs. of 20/40 Sand.

