#### FILE COPY



) Date:	Oct. 24	, 19 83
2) Operator's Well No	A-1447 (McM	ullan)

3) API Well No. 47 - 083 - 0838 State County Permit

# STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

									_/ Shallow XX/)
5) LOCATIO							Jackson		the state of the s
									Cassity 7.5'
6) WELL OP									L. Wheeler
Address					1740		Address _		0. Box 1740
					, WV	26301			arksburg, WV 2630
8) OIL & GA							9) DRILLING CON		
Name									ling Corporation
Address					7			P. O. Box Clarksburg	
			WV			domon	/ Redrill		CARRIED TO
0) PROPOSE	D WELL	WORK:			_/ Drill		rate new formation		HOHE (CIBILIV
			A STATE OF THE STATE OF				ate new formation		ME
1) GEOLOGI	CAL TAP	GET FOR				ven (specify)			
12) Estima						feet			OCT 2 6 1983
13) Appro								feet.	
							al being mined in the a		/-No - XX - PINA
15) CASING A									OIL & GAS DIVIS
CASING OR			CIFICATIONS	,	- 1	FOOTAGE I	INTERVALS ]	CEMENT FILL-UP	DEPT DE MI
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor	16"	18 2 2			X	201	201	Cement to	sikindsace
Fresh water					L. CALL			OCINCIPO OC	0011000
Coal	8-5/	B"	20#	X		900'	900'	Cement to	sumface
Intermediate			J.55						
Production	4-1/	2"	10.50#	X		5550 <b>'</b>	5550'	Reg. by Ru	Leepills Set 01
Tubing						E USE ONE	DISTO		
Liners									Perforations:
		etions	व्यवस्था वस	wollo	TOTAL TOL	оссингопаек	e dates of certain	is throose of each	Top Bottom
(2	staff at						Date		
				<del>(2)110i</del>	harani d	EFICE LISE	ONII W		bayinsar noita ilan
			9			FFICE USE (		97 <u>                                    </u>	
	17 0	02 00	20		Di	RILLING PE	KMII		veil work started
Permit number_	4/-(	083-08	38				·		ember 14, 1983
								Dat	entitle action outsidence
his permit cove	ring the w	ell operat	or and well	location	on shown be	low is evidence	of permission granted	to drill in accordan	ce with the pertinent legal re-
									l and Gas Inspector, (Refer to
					A STATE OF THE PARTY OF THE PAR	k has commence		operator or his con	tractor shall notify the proper
everse hereof.	JIK IS AS U	scribed ii	i the Notice	e and A	application,	piat, and reciam	ation plan, subject to	any modifications a	nd conditions specified on the
ermit expires _	Nov	ember	14, 19	985		unless well	work is commenced p	rior to that date and	prosecuted with due diligence.
		* 12 A 14 A							THER INSPECTIONS
Rond:	Agen		Plat:	Cacir	ng Fe				
Bond:	MD /		15	Casi	5	n-			Reason
MULI DO	Mn X/	1	1	1	24	85 1	-1	1- 1	
						•	7/1	-	*Casor
							Admini	strator, Office of C	oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

File

Reason:





FIRE GORY

#### OFFICE USE ONLY

#### PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

Off & GAS DIVISION OFFICE USE ONLY This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections. Date Date(s) Application received Follow-up inspection(s) DRINGNO PERMIT Well work started Completion of the drilling This remait covering the well aperator and well location shown below is evidence of permission granted to thill in accordance with the quirements subject to the conditions contained become and on the reverse besent Manfar and the Manfar tell and the fire the conditions contained become and on the reverse besent Manfar and the Manfar tell and the fire the conditions contained become and on the reverse besent Manfar and the Conditions contained become and on the reverse besent the conditions contained become and the reverse best of the conditions contained become and the conditions are contained become and the reverse best of the conditions are contained by the conditions are conditioned by the conditions are contained by the conditions are conditioned by the condition are conditioned by the conditioned by the conditioned by the process as \$1 f and a me construction of rough, for allies see, pits for any resulted every he addition, the well operation Well Record received district ou and gas inspector 24 hours before actual peruntied work has commenced.) The permitted work is as described in the Notice and Application, play, and reclamation plan, subject to any modifications and Reclamation completed OTHER INSPECTIONS Reason:

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

#### ATTN: LAND DEPT. 789 658 406 RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED-A-1440 FOR INTERNATIONAL MAIL

Junit/See Reverse) sInternational Coal

119 Washington Street

shewisburg, West Virginia

## ALAM CO, TNC.

200 W. Main Streets

P. O. Box 1740

Clarksburg, WV

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing to whom and Date Delivered

Return Receipt Showing to whom, Date, and Address of Delivery

TOTAL Postage and Fees

Postmark or Date

OCT 26 1983

OIL & GAS DIVISION

ATTN: LAND DEPT.

789 P 406

RECEIPT FOR CERTIFIED MAIL

DEPT. OF MINE SPENNING COVERAGE PROVIDED A- 140 INSUBANCE COVERAGE PROVIDED-

Bent Q. Box 8

Washington, North Carolina

Street and No.

ALAMCO, INC.

200 W. Main Street

P.º Box 1740

26302 Clarksburg, WV

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing to whom and Date Delivered

Return Receipt Showing to whom, Date, and Address of Delivery

TOTAL Postage and Fees

Feb. Postmark or Date 3800.



ATTN: LAND DEPT. 789 406 RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED-Print (See Reverse)

SenWestvaco

203 Randolph Avenue

str**Elkins,** West Virginia

26

46200

APAMCO, ZINC:

200 W. Main Street P. O. Box 1740

Clarksburg; WV 26302

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing to whom and Date Delivered

Return Receipt Showing to whom, Date, and Address of Delivery

TOTAL Postage and Fee

3800, Form S

> ATTN: LAND DEPT. 406 789

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED-144 NOT FOR INTERNATIONAL MAIL

Amax Coal Company 105 S. Meridan

Indianapolis, Indiana

APAMCO, ZINC.

200 W. Main Street

O. Box 1740 26302 Clarksburg, WV

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing to whom and Date Delivered

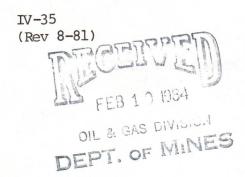
Return Receipt Showing to whom, Date, and Address of Delivery

TOTAL Postage and Fee

Postmark or Date

3800, Form

Form





# STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Date February 3, 1984
Operator's
Well No. A-1447
Farm McMullan
API No. 47 - 083 - 0838

### OIL and GAS DIVISION

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 2990'		rshed Jac	ckson Fork	
District: Middle Fork Count	y: Rando	lph Qu	adrangle:_	Cassity 7.5
OMPANY ALAMCO, INC				
200 West Main Street DDRESS Clarksburg, West Virginia 26301	Casing &	Used in	Left	Cement fill up
ESIGNATED AGENT ALAMCO, INC	Tubing	Drilling	in Well	Cu. Ft.
200 West Main Street DDRESS Clarksburg, West Virginia 26301	Size 20-16 Cond.			
SURFACE OWNER Westvaco				
DDRESS 203 Randolph Ave., Elkins, WW 26241	9 5/8"			
INERAL RIGHTS OWNER Neva McMullan	8 5/8"	915'	915'	to surface
DDRESS P.O. Box 8, Washington, NC 27889	7"	913	913	to surface
OIL AND GAS INSPECTOR FOR THIS WORK Phil	5 1/2"		*	
Tracy ADDRESS Gen. Dely., Ellamore, WV 26267		5216'	5216'	w/559 sks 1890'
ERMIT ISSUED November 14, 1983	3			
RILLING COMMENCED December 5, 1983	2			
RILLING COMPLETED December 12, 1983				
F APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Elk		DEPTH_	5550	FEE
Depth of completed well 5456 f Water Strata depth: Fresh 61 & 280	eet Rotar	ry <u>x</u> /	Cable :	
Coal seam depth: 147-150, 475-478, 651-72	23'	Is coal bei	ng mined :	in this area?
OPEN FLOW DATA				
Producing formation Elk, Benson		Pay zone		
Gas: Initial open flow 93 Mcf/d Final open flow 1100 Mcf/d		Final open		
Time of open flow between in				
Static rock pressure 1400 psig (surface (If applicable due to multiple completion	measuremen			
Second producing formation				
Gas: Initial open flowMcf/d				
Final open flow Mcf/d		Final open	flow	Bb]

FORM IV-35 (REVERSE)

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

Well was fractured

Perforations:

January 7, 1984 3916 - 3921 3948 - 3950 Benson

5124 - 5127 5133 - 5139 3rd Elk

#### WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Fill	0	5	1/4" stream water @ 61'
Sand & Shale	5	147	1/4" stream water @ 280'
Coal	147	150	Gas check @ 1575' No show
Sand & Shale	150	475	Gas check @ 2016' No show
Coal	475	478	Gas check @ 2344' 131 MCF/D
Sand & Shale	478	651	Gas check @ 2496' 135 MCF/D
Coal	651	723	Gas check @ 2827' 160 MCF/D
Sand & Shale	723	872	Gas check @ 4062' 172 MCF/D
Red Rock	872	907	Gas check @ 4488' 119 MCF/D
Red Rock & Shale	907	949	Gas check @ 4948' 93 MCF/D
Red Rock	949	1087	Gas check e 4940 93 McF/D
Shale	1087	1146	
Red Rock	1146	1195	
Shale	1195	1339	
Little Lime & Shale	1339	1392	
Big Lime	1392	1497	
Big Injun	1497	1641	d godoni wa kasa da da sa sa
Red Rock	1641	1696	
Sand & Shale	1696	1837	NEW 2012 - 1914 - CO DESCRIPTION 249 - CO
Gordon	1837	1872	
Red Rock	1872	1899	aralka, yisi nan semilar yasa
Sand		1958	
Red Rock	1899 1958	2008	
Sand & Shale			
	2008	2384	el dedica de George George
Speechley	2384	2410	
Sand & Shale	2410	2750	Friedrich Gebarten Fein
Balltown	2750	2779	
Shale	2779	3580	
Riley	3580	3608	
Shale	3608	3798	ATEC STEEL BUT TANKED IN SUCKES
Benson	3798	3825	
Shale	3825	4950	
Alexander	4950	5000	
Shale	5000	5130	
lst Elk	5130	5456 T.D.	
	02 8		

(Attach separate sheets as necessary)

ALAMCO, INC. Well Operator

Vice President Oil & Gas Operations

Date: February 3, 1984

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." IV-20 Obverse 1-84

TMS/rls





OIL & GAS DIVISION DEPT. OF MINES

> July 23, 1984 DATE

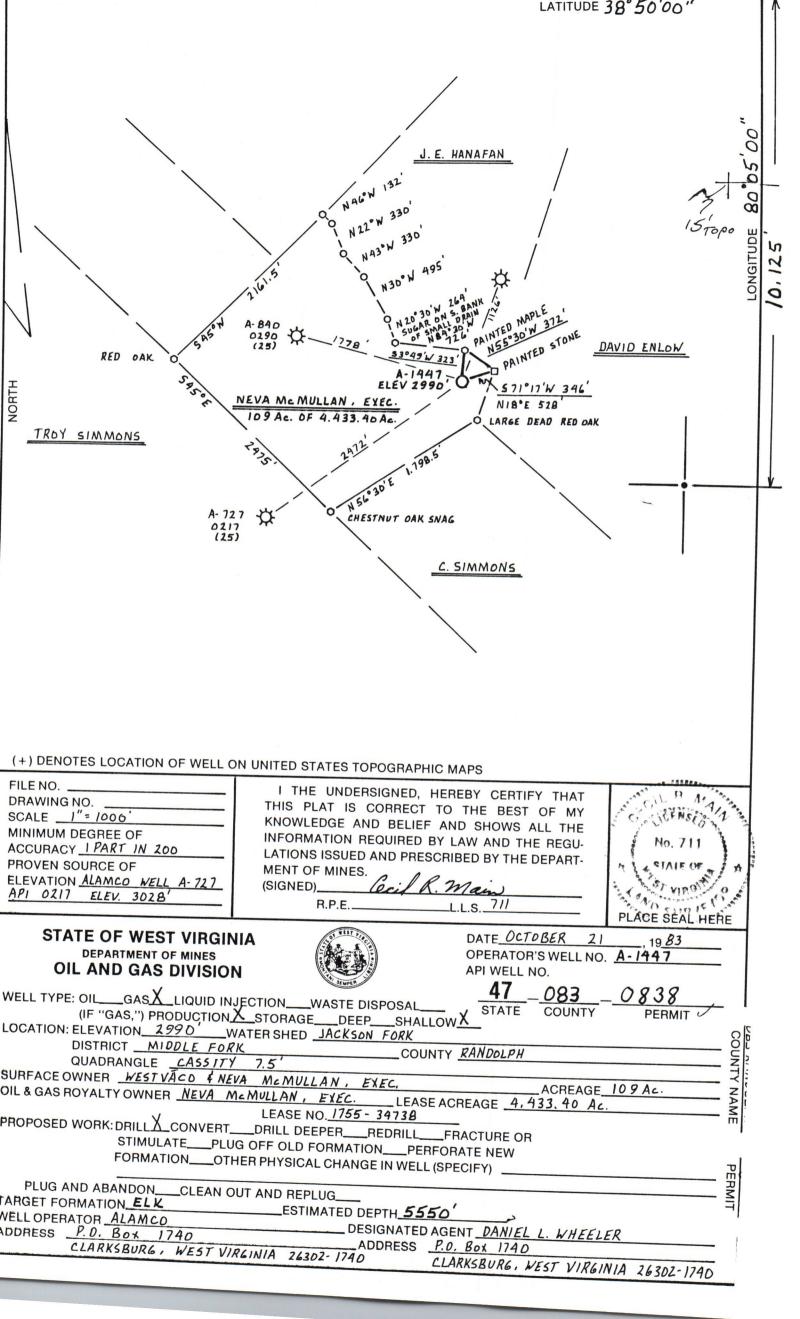
10/83

## State of West Virginia

### Bepartment of Mines (Bil and Gas Bivision Charleston 25305

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT February 15, 1984

COMPANY	Alamco, Inc.	PERMIT NO _	08	3-0838	
	est Main Street	FARM & WELL	NO -	McMulla	n A-1447
	sburg, West Virginia 26301	DIST. & COU	NTY _	Middle	Fork/Randolph
			IN (	COMPLIAN	CE
	DESCRIPTION		YES		NO
RULE					
23.06	Notification Prior to Starting Work Prepared before Drilling to Prevent	Waste			1 1
25.04	Prepared before Drilling to Trevent				
25.03	High-Pressure Drilling Required Permits at Wellsite				
16.01	Required Permits at Wellston				
15.03	Adequate Fresh Water Casing Adequate Coal Casing				
15.02	Adequate Coal Casing Adequate Production Casing				
15.01	Adequate Cement Strenght				
15.04	Cement Type				
15.05 23.02	Maintained Access Roads				
25.02	Necessary Equipment to Prevent Waste	е			
23.04	Reclaimed Drilling Pits				
23.04	No Corfoce or Underground Pollution				
23.03	Requirements for Production & Gather	ring Pipelines			•
16.01	Well Records on Site				
16.02	Well Records Filed				
7.05	Identification Markings				
T HATTE	INSPECTED THE ABOVE CAPTIONED WELL AN	D RECOMMEND TH	IAT IT	BE REL	EASED:
1 HAVE	INSTECTED THE TEST CONTENTS		DA.	11. 1	
		SIGNED Z	Kel	10 Iro	cer
			0	1 de	(
		DATE	7-	6-89	
with Ch	ell record was received and reclamation apter 22, Article 4, Section 2, the age for the life of the well.	TL		r_f	n accordance er bond as Division
		Administra	ator-	UII & GE	19 DIVIDION



Well No. A-1447 (McMullan) 083 . 083 3) API Well No. 47 . State County Perm STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OFFICE OF OIL & GAS NOTICE OF APPLICATION FOR A WELL WORK PERMIT 5(i) COAL OPERATOR NER(S) OF RECORD TO BE SERVED Address Westvaco 203 Randolph Avenue 5(ii) COAL OWNER(S) WITH DECLARATION ON RECO Elkins, WV 26241 Name Harry McMullan Address<sub>P. 0. Box 8</sub> 27889 Washington, NC Name International Coa Amax Coal Address 105 S. 119 Washington St Lewisburg, WV 249 Meridan 5(iii) COAL LESSEE WITH PRETARATION ON RECORD Ind. Address TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents: (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program; (2) The plat (surveyor's map) showing the well location on Form IV-6; and (3) The Construction and Reclamation Plan on Form IV-9 )unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road. THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Applicat and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by mailed by registered or certified mail or delivered OCT 26 1983 by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator. 6) EXTRACTION RIGHTS OIL & GAS DIVISION Check and provide one of the following: Check and provide one of the following:

Included is the lease or leases or other continuing contract or contracts by which DEPT. OF MIN 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.) 7) ROYALTY PROVISIONS Is the right to extract, produce or market the oil or gas based upon a lease or leases or other 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? XXX If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60. See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan. of the information on the WELL Application is verified OPERATOR to and the Notice is behalf of the Well Operator By Vice President ty and State by Address P. O. Drawer 1740 L. Wheeler 19 83 of October 26301 Clarksburg, WV Telephone 304-623-6671 1989 ssion exp Public, Harrison West Virginia

2) Operator's

#### INSTRUCTIONS TO APPLICANT

#### CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
  - 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
  - 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
  - 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
  - 7) See Code § § 22-4-11(d, e).

#### CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-lk and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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-lk (d) and the reclamation required by Code § 22-4-l2 and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-la(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8 a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-lm, 22-4-2, 22-4-2a, and 22-4-2b.

# INFORMATION SUPPLIED UNDER CODE § 22-4-11(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that-

- the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc. Royalty	Book Page
Connecticut General	Manufacturers Light & Heat	272 433
Manufacturers Light and Heat	Columbia Gas Trans. Corpn.	
Columbia Gas Trans. Corpn.	Alamco, Inc. 1/8	No Recorded







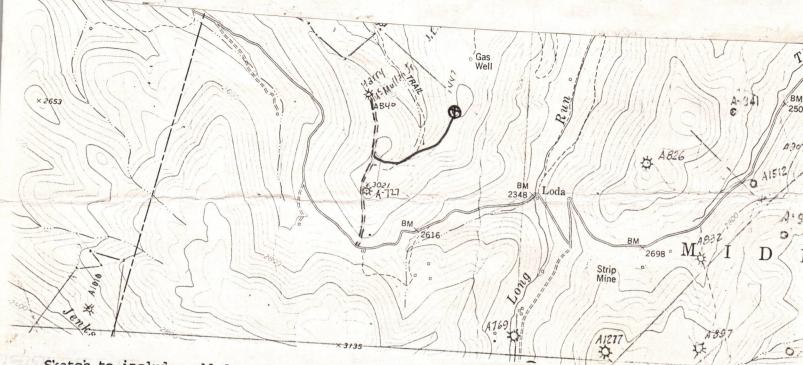
State of Mest Airginia Department of Mines Oil und Cas Division Date Ocr. 20,1983
Well No. A1447
API No. 47 - 083 - 0838
State County Permit

## CONSTRUCTION AND RECLAMATION PLAN

	ATIAMCO		Designated	Agent Daniel L.	Meeler
mpany Name	P. O. Box 1740		Address	P. O. Box 1740	
ldress	Clarksburg, West	Virginia	The state of the s	Clarksburg, West	Virginia
elephone	623-6671		Telephone	623-6671	.////
andowner	WESTVACO		Soil Cons	District 176AR	VALLEY
		+ by ALAMO	0		(Agent)
	on to be carried ou		11.11.		CD. All corrections
his plan h	has been reveiwed b	y Jugares	Galley 163	A LANDON	var
nd addition	nas been revelwed b ons become a part o		(Date)	(SCD A	agent)
			(Date)	(	PERMIT
				LOCATIO	DIE PEROF
	ACCESS ROAD			<u>ICATIO</u>	
		(A)	Structure	DEMINAGE D	itch ()CT 2-6 1983(1)
structure	Drainage Ditch	(A)	Material	Earthen	Supplied the state of the state of the supplied the supplied to the supplied t
spacing	Earthen 2:12		Page Ref.	Manual 2:	OIL & GAS DIVISION
Page Ref.	Manual 2:12				DEPT. OF MIN
structure	CULVERTS	(B)	Structure	1CIPRAD	
Spacing	16"1.0 (WHERE	NEEDED)	Material Page Rof	Manual N/A	
Page Ref.	Manual 2:5		Page Rei	Handar	
	Pinnen	(c)	Structure	e	(3
Structure	RIPRAP		Material		
	DACKE				
Spacing Page Ref.	Manual N/A		Page Ref	. Manual	
Page Ref.	Manual N/A	spected regularly	irod	if necessay. All	commercial timber
Page Ref. All structo be cut	Manual NA tures should be ins	spected regularly brush and small t	irod	if necessay. All	commercial timber m site before dirt
Page Ref. All structo be cut	Manual NA tures should be ins	spected regularly brush and small t	irod	if necessay. All ut and removed fro	commercial timber m site before dirt
Page Ref. All structo be cut	Manual NA tures should be ins	spected regularly brush and small t	and repaired imber to be c	if necessay. All ut and removed fro	
Page Ref. All structo be cut	Manual NA tures should be ins	brush and sharr o	and repaired imber to be c	if necessay. All ut and removed fro	
Page Ref. All structo be cutwork begi	Manual NA tures should be ins and stacked. All ns.  TREATMENT ARE	A I	and repaired imber to be c	if necessay. All ut and removed from TREATMENT A	REA IITons/acre
Page Ref.  All structo be cut work begi	Manual NA tures should be ins and stacked. All ns.  TREATMENT ARE	brush and sharr o	and repaired imber to be c  REVEGETATIO	if necessay. All ut and removed from TREATMENT A	AREA II
Page Ref.  All structo be cut work begi	Manual NA tures should be ins and stacked. All ns.  TREATMENT ARE	A I	and repaired imber to be concentrated REVEGETATION CONTRACTOR OF CONTRAC	if necessay. All ut and removed fro  TREATMENT A  3 correct to pH	Tons/acre
Page Ref.  All structo be cut work beging  Lime	Manual NA tures should be ins and stacked. All ns.  TREATMENT ARE  3 prrect to pH 6.5	A I  Tons/acre	and repaired imber to be c  REVEGETATIO	if necessay. All ut and removed fro  TREATMENT A  correct to pH  600	Tons/acre
Page Ref.  All structo be cut work beging  Lime	Manual NA tures should be ins and stacked. All ns.  TREATMENT ARE  3 prrect to pH 6.5	Tons/acre	and repaired imber to be concentrated REVEGETATION CONTRACTOR OF CONTRAC	if necessay. All ut and removed fro  TREATMENT A  3 correct to pH	Tons/acre
Page Ref.  All structo be cut work beging  Limeor conference or c	Manual NA tures should be ins and stacked. All ns.  TREATMENT ARE  orrect to pH 6.5	Tons/acre lbs/acrevalent)	and repaired imber to be continued to be continued in the	if necessay. All ut and removed from TREATMENT A sourcect to pH	Tons/acre  Tons/acre  bs/acre  quivalent)
Page Ref.  All structo be cut work beging  Limeor conference or c	tures should be instand stacked. All ns.  TREATMENT ARE  orrect to pH 6.5  er 600 (10-20-20 or equi	Tons/acre lbs/acrelbs/acrevalent) 2 Tons/acre	and repaired imber to be continued imber to be continued imber to be continued in the continued in the continued imperior of the continued in	if necessay. All ut and removed from TREATMENT A sourcect to pH	Tons/acrequivalent)  2 Tons/acrequivalent
Page Ref.  All structo be cut work beging  Lime	tures should be instand stacked. All ns.  TREATMENT ARE  TREATMENT ARE  1  1  1  1  1  1  1  1  1  1  1  1  1	Tons/acre lbs/acrevalent)2 Tons/acreibs/acre	and repaired imber to be considered to be considered.  REVEGETATION  Lime	if necessay. All ut and removed from TREATMENT A 3 correct to pH correct	Tons/acre  1bs/acre quivalent)  2 Tons/acre 1bs/acre 1bs/acre
Page Ref.  All structo be cut work beging  Lime or confertilize  Mulch  Seed* Ke	Manual	Tons/acre lbs/acrelbs/acrelbs/acrelbs/acre	and repaired imber to be considered to be considered.  REVEGETATION  Lime	if necessay. All ut and removed fro  TREATMENT A  3 correct to pH  zer 600 (10-20-20 or extraw Menfucky 3/	Tons/acre  1bs/acre quivalent)  2 Tons/acre 1bs/acre 1bs/acre 1bs/acre
Page Ref.  All structo be cut work beging  Lime or conference or confere	tures should be instand stacked. All ns.  TREATMENT ARE  TREATMENT ARE  1  1  1  1  1  1  1  1  1  1  1  1  1	Tons/acre  lbs/acre  valent)  2 Tons/acre  bs/acre  bs/acre  lbs/acre	and repaired imber to be concentrated.  REVEGETATION  Lime  or of the concentration of the co	if necessay. All ut and removed from TREATMENT A  3 correct to pH  zer 600 (10-20-20 or extraw Menfucky 3/ Domestic Lyegress Sienspoor Teepoor	Tons/acre
Page Ref.  All structo be cut work beging the structory begins the struc	tures should be instand stacked. All ns.  TREATMENT ARE  3  Direct to pH 6.5  er 600  (10-20-20 or equivalent description of the street description	Tons/acre lbs/acrelbs/acrebs/acrelbs/acrelbs/acrelbs/acrelbs/acre h as vetch, trefo.	and repaired imber to be concentrated.  REVEGETATION  Lime  or of the concentration of the co	if necessay. All ut and removed from TREATMENT A  3 correct to pH  zer 600 (10-20-20 or extraw Menfucky 3/ Domestic Lyegress Sienspoor Teepoor	Tons/acre
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Page Ref.  All structo be cut work beging  Lime or confertilize  Mulch Seed* Karana Seed* Karana Seed* Karana Seed* Seed	tures should be instand stacked. All ns.  TREATMENT ARE  TREATMENT ARE  3  orrect to pH 6.5  er 600  (10-20-20 or equivalence 3/  er 8/  er 8/  correct dyegrass  esspoor Trepore  te all legumes such recommended amount	Tons/acre  lbs/acre  valent)  2 Tons/acre  vales/acre  valbs/acre  valbs/acre  h as vetch, trefo	And repaired imber to be considered to be considered to be considered.  REVEGETATION  Lime	TREATMENT A  TREATMENT A  COTTECT to pH  Zer 600 (10-20-20 or extraw  Mentucky 3/ Domestic Ryegrass Sienspoor Trepoints  with the proper h	Tons/acre
Page Ref.  All structo be cut to be cut work begin and construction or construction.  Fertilized Mulch Seed* Ken Box Six Mulch Six Mulch Seed* Ken Box	tures should be instand stacked. All ns.  TREATMENT ARE  3  Direct to pH 6.5  er 600  (10-20-20 or equivalent and stacked)  Straw  Figure 3/  MESTIC Ryegiass  PESSIC Ryegiass  enspoor Trepoic  te all legumes such recommended amount  Please request la	Tons/acre	and repaired imber to be concentrated.  REVEGETATION  Lime  or of the concentration of the co	TREATMENT A  TREATMENT A  CORREct to pH  Zer 600 (10-20-20 or extraw  Menfucky 3/ Downstric Ryegress Sicospoor Tespoor  with the proper h	Tons/acre  1bs/acre quivalent)  2 Tons/acre 1bs/acre 1bs/acre 1bs/acre 1cacterium. Inoculat
Page Ref.  All structo be cut to be cut work begin and construction or construction of the second struction of the second stru	tures should be instand stacked. All ns.  TREATMENT ARE  3  Direct to pH_ 6.5  er 600  (10-20-20 or equivalent of the standard	Tons/acre lbs/acrelbs/acrelbs/acrelbs/acrelbs/acre h as vetch, trefo	And repaired imber to be considered to be considered to be considered.  REVEGETATION  Lime	TREATMENT A  TREATMENT A  TREATMENT A  COFFECT TO PH  ZET 600 (10-20-20 or extraw  Mentucky 3/  Domestic Ryegress  Simpspoor Trepose  with the proper h	Tons/acre
Page Ref.  All structo be cut work beging the structory of control of the structory of the	tures should be instand stacked. All ns.  TREATMENT ARE  3  Direct to pH 6.5  er 600  (10-20-20 or equi  Straw  Fricky 3/  MESTIC Lycgrass  enspoor Trepoic  te all legumes such recommended amount  Please request la  eration to protect  ling for one growin	Tons/acre  lbs/acre  valent)  2 Tons/acre  bs/acre  lbs/acre  lbs/acre  h as vetch, trefo.  ndowners' new g season.	And repaired timber to be considered to be considered to be considered.  REVEGETATION  Lime or	TREATMENT A  TREATMENT A  TREATMENT A  COFFECT to pH  Zer 600 (10-20-20 or expressed by Expresse	Tons/acre  1bs/acre quivalent)  2 Tons/acre 1bs/acre 1bs/acre 1bs/acre 1bs/acre 1cacterium. Inoculat
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Page Ref.  All structo be cut to be cut work begin to be cut work be cut work begin to be cut	tures should be instand stacked. All ns.  TREATMENT ARE  3  Direct to pH 6.5  er 600  (10-20-20 or equi  Straw  Fricky 3/  MESTIC Lycgrass  enspoor Trepoic  te all legumes such recommended amount  Please request la  eration to protect  ling for one growin	Tons/acre lbs/acrelbs/acrelbs/acrelbs/acrelbs/acre h as vetch, trefo	And repaired timber to be considered to be considered to be considered.  REVEGETATION  Lime or	TREATMENT A  TREATMENT A  TREATMENT A  COFFECT to pH  Zer 600 (10-20-20 or expressed by Expresse	Tons/acre  1bs/acre quivalent)  2 Tons/acre 1bs/acre

Attach or photocopy section of involved topographic map Quadrangle CASSITY 7.5

LEGEND
WELL SITE
ACCESS ROAD



Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

Diversion 444444444444444444444444444444444444
Spring O→
Wet Spot &
Building
Drain pipe — O -> O ->
Waterway C====

COMMENTS

Slope of access road \_\_\_\_\_ % -- Cuts to be on a 2:1 slope or less. Access road subject to change by company or landowner. All ditches and culverts will be maintained after construction is completed. If revision is made, revised plan will be submitted.

