1)	Date:	November	21	_, 19_83
2)	Operator's Well No.	A-1458	McMul	lan
	API Well N		083 - 08	50

County

Permit

State

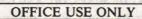
STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

										PERMIT MO
N TOCATIO	B (If	"Gas",	Production	n						_/ Shallow X_/)
) LOCATIO			3					Light		
				For	Σ	County:				Adolph 7.5'
WELL OP	ERATOR_						7)		AGENT Daniel	
Address	The second secon		ox 174			<u> </u>			P. 0. Box 1	
			urg, W		26301				Clarksburg.	WV 26301
OIL & GA								DRILLING CO		
Name	Ro								elopment Dri	
Address			ox 345			<u> </u>			P. 0. Box 1	
	_Ja	ne Le	w, WV						Clarksburg	
PROPOSE	ED WELL W	VORK:	Drill	X	_/ Drill	deeper		Redrill	/ Stimulate	DISCENING
								new formation_		Man All
			Other p	hysical	change in we	ell (specify)				1
GEOLOG	ICAL TARC	GET FOR	MATION	,	Elk		A CONTRACTOR			DEC 1 - 1983
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								ng mined in the		EDT NO XIVIN
CASING										Tall I . OF IVIIIA
ASING OR	1		CIFICATIONS	S	11	FOOTAGI	E INTER	VALS	CEMENT FILL-UP	PACKERS
UBING TYPE	Cian	Grade	Weight per ft.	New	Used	For drilling	1	Left in well	OR SACKS (Cubic feet)	
1	Size	Grade	per It.	New						Vinda
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		2.5				ILLING P				
					DR	ILLING P	ERWI	11		il work started
mit number_		47-083	3-0850						Dec	ember 19, 1983
		4.3.4							Da	terlinb adrio nonskym
s permit cov	ering the we	ll operate	or and wel	location	on shown bel	low is evidence	e of pe	rmission grante	d to drill in accordar	nce with the pertinent legal r
										and Gas Inspector, (Refer
								addition, the we	ll operator or his cor	tractor shall notify the prop
rict oil and g	gas inspector	24 hour	s before a	ctual pe	rmitted work	has commend	ced.)			
	ork is as des	scribed in	the Notic	e and A	application, p	olat, and reclai	mation	plan, subject to	any modifications a	nd conditions specified on the
A STATE OF THE PARTY OF THE PAR		Decer	nber 19	198	5					
A STATE OF THE PARTY OF THE PAR		Decem	iibei 13	, 100		unless we	ell worl	c is commenced	prior to that date and	prosecuted with due diligenc
erse hereof.				96° 15°						THER INSPECTIONS
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erse hereof.	Agent		Plat:	Casir	ig Fe	e				
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erse hereof. mit expires	Agent	7.	Plat:	Casir	11		•	Admir	nistrator, Office of O	



FILE COPY



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

OFFICE USE ONLY This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections. Date Pollow-up inspection(s) Well work started Completion of the drilling process Well Record received Reclamation completed OTHER INSPECTIONS Reason:	AdolobA 7.5°		<u>aclobus</u>		I original	et Middle	Distr
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cade Agent: Casing Ree			ork is commenced n				angxa!
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							The second secon
	Reason:	Part			C) HII	D. P. A. L. F. J. T.	

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

ATTN: LAND DEPT. NECEIPT FOR CENTIFIE NOT FOR INTERNATIONAL MAIL Harry McMullan ever Jr. P.SeO.toBox 8 Washington, North Carolina Paliest Mary INC 200 We Main Street P. O. Box 1740 Clarksburg, WV 26302 Certified Fee Special Delivery Fee Restricted Delivery Fee Return Receipt Showing to whom and Date Delivered Return Receipt Showing to whom, Date, and Address of Deliv TOTAL Postage and Fe PS Form 3800, Feb. Postmark or Date

R	CEIVE	
	DEC 1 - 1983	

OIL & GAS DIVISION
DEPT. OF MINES

Form 3800,

ATTN: LAND D	T.
3 406 78	31 787
A-1458 Firm	FIED MAIL
NO INSURANCE COVERAGE NOT FOR INTERNATIO	

(See Reverse) Westvaco 203 Randolph Avenue Elkins, West Virginia 26241 ALAMORA IN Gas 200 W. Main Street P. O. Box 1740 26302 Clarksburg, W V 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 Form 3800, PS

ATTN: LAND DEPT. 406 781 788
RECEIPT FOR CEPTIFIED MOL
NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL

	Henry L. Davis verse)	
	c/o First PA Nation	al Bank
	Tower Center Square	
	Philadelphia, PA	19127
	Ad AM Odzii 190.	
	200 W. Main Street	
	P. O. Box 1740	\$
	Clarksburg, WV 2	6302
	Special Delivery Fee	
	Restricted Ethivery Fee	
	Return Receipt Showing to whom and Date Delivered	-
	Return Receipt Showing to wnom,	
79	Date, and Address of Delivery	
0.13	TOTAL Postage and Fees	\$
ž.	Postmark or Date	A STATE OF THE PARTY OF THE PAR

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Date March 20, 1984 Operator's Well No. A-1458 Farm McMullan API No. <u>47 - 083 - 0850</u>

OIL and GAS DIVISION

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE MAR 2 6 1984

WELL TYPE: OIL / GAS X / LIQUID INJECTION (If "Gas", Production / Underground LOCATION: Elevation: 3445'			DEP-	& GAS MINES
LOCATION: Elevation: 3445' District: Middle Fork Count	v: Rando	ershed Ligh	drangle:	Adolph 7.5'
to the the Japone of statebre				
COMPANY ALAMCO, INC 200 West Main Street				
ADDRESS Clarksburg, West Virginia 26301	Casing &	Used in	Left	Cement fill up
DESIGNATED AGENT ALAMCO, INC	Tubing	Drilling	in Well	Cu. Ft.
200 West Main Street ADDRESS Clarksburg, West Virginia 26301	Size 20-16 Cond.			
SURFACE OWNER Westvaco	13-10"	1	el el	
ADDRESS 203 Randolph Ave., Elkins, WV	9 5/8"			
MINERAL RIGHTS OWNER Harry McMullan	8 5/8"	1114'	1114'	to surface
ADDRESS P.O. Box 8, Washington, NC 27889 OIL AND GAS INSPECTOR FOR THIS WORK Robert	7"			
	5 1/2"			
Stewart ADDRESS P.O. Box 345, Jane Lew, WV	4 1/2"	5480'	5480'	w/425 sls 2900'
PERMIT ISSUED December 19, 1983	3			
DRILLING COMMENCED December 22, 1983	2			
DRILLING COMPLETED January 4, 1984				
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
REWORKING. VERBAL PERMISSION OBTAINED ON	used			
GEOLOGICAL TARGET FORMATION Elk		DEPTH_	5600	FEET
Depth of completed well 5650 f	eet Rota	ryx/	Cable 1	lools
Water Strata depth: Fresh 95 & 425		1	feet S	Saltfeet
Coal seam depth: 57-60, 130-135, 310-32	25	Is coal bein	ng mined i	n this area?No
OPEN FLOW DATA			,	
Producing formation Elk, Alexander		Pay zone		
Gas: Initial open flow 67 Mcf/d		Initial open		
Final open flow 880 Mcf/d		Final open f		Bb1/d
Time of open flow between in	itial and	final tests	2 hc	ours

Static rock pressure 750 psig (surface measurement after 37 hours shut-in

Time of open flow between initial and final tests _____ hours

Mcf/d

Static rock pressure____psig (surface measurement) after ____ hours shut-in

Mcf/d

Pay zone dpeth

(continue on reverse side)

Oil: Initial open flow____

Final open flow

(If applicable due to multiple completion--)

Second producing formation

Gas: Initial open flow____

Final open flow

KAND. DOUD

feet

Bbl/d

Bbl/d

FORM IV-35 (REVERSE)

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

Well was fractured February 29, 1984 Perforations: 4911 - 4920 Alexander

5355 - 5357 5370 - 5376 Elk

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Fill	0	3	1/4" stream water @ 95'
Sand	3	57	1/2" stream water @ 425'
Coal	57	60	Gas check @ 1920' No show
Sand	60	130	Gas check @ 2522' No show
Coal	130	135	Gas check @ 2971' 8 MCF/D
Sand	135	310	Gas check @ 3448' 84 MCF/D
Coal	310	325	Gas check @ 4097' 13 MCF/D
Sand & Shale	325	1150	Gas check @ 4721' 17 MCF/D
Shale & Red Rock	1150	1560	Gas check @ 5204' 33 MCF/D
Little Lime	1560	1672	Gas check @ 5650' 67 MCF/D
Big Lime	1672	1814	
Red Rock	1814	1821	GAMMA RAY LOG TOPS
Big Injun	1821	1932	
Red Rock	1932	1944	Little Lime 1573'
Red Rock & Shale	1944	2887	Big Lime 1663'
Speechley	2887	2916	Big Injun 1821'
Sand & Shale	2916	3220	Pocono 1942'
Balltown	3220	3236	Gantz 2083'
Sand & Shale	3236	3958	Shale Lime 2271'
Riley	3958	4015	Gordon Stray 2288'
Sand & Shale	4015	4110	Gordon 2406'
Benson	4110	4760	4th Sand 2434'
Sand & Shale	4760	4932	4th A Sand 2566'
Alexander	4932	4940	5th Sand 2573'
Sand & Shale	4940	5350	Bayard 2736'
lst Elk	5350	5390	Riley 3905'
Sand & Shale	5390	5650 T.D.	Benson 4096'
			Alexander 4314'
			Alexander 4908'
			lst Elk 5350'
			2nd Elk 5415'
tradical decision of			
	(Attach sonar	ate sheets as	nogoggary)

(Attach separate sheets as necessary)

ALAMCO, INC Well Operator Vice President Oil & Gas Operations March 20, 1984 Date:

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." Note:





OIL & GAS DIVISION
DEPT. OF MINLE

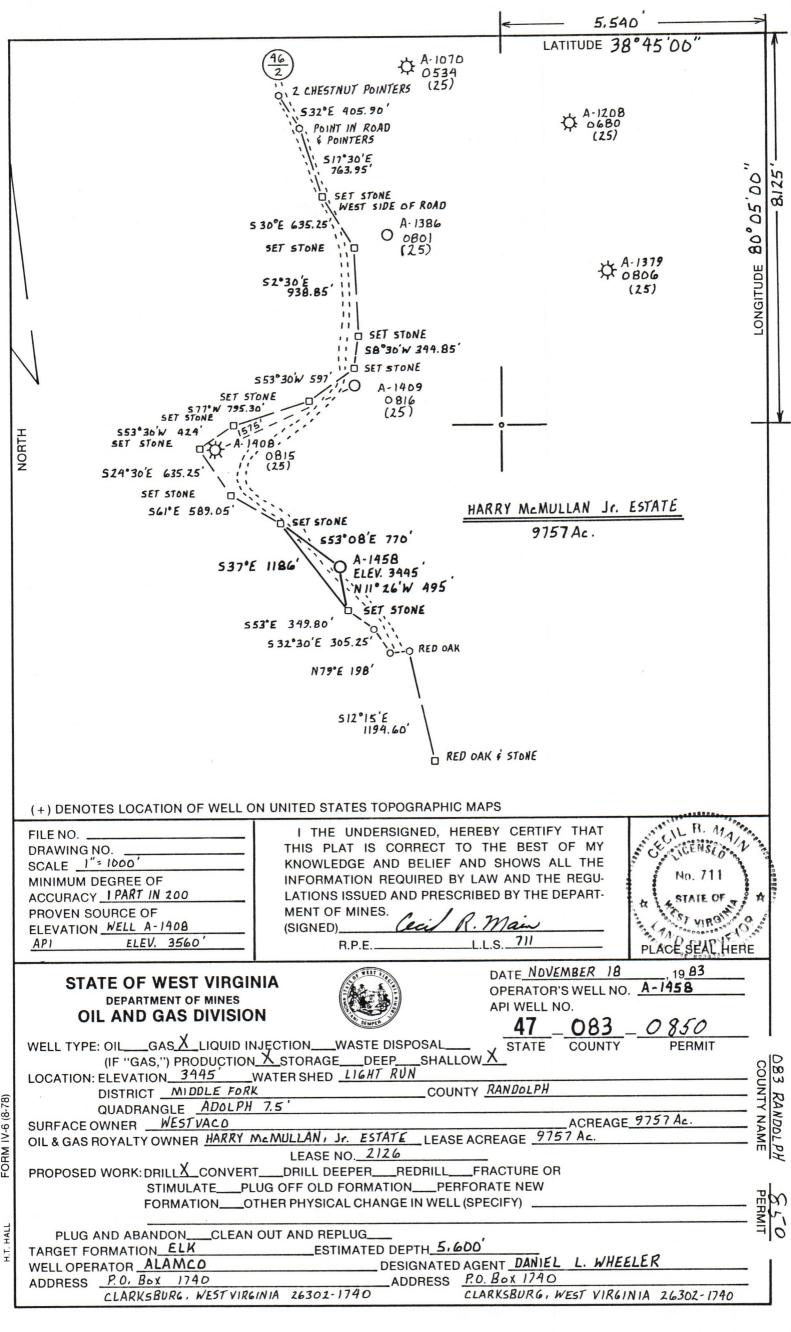
State of West Birginia

Bepartment of Mines Gil and Gas Bivision

Charleston 25305

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT April 2, 1984

COMPANY	Alamco, Inc.	PERMIT NO	083-0850	12/83
P. 0.	Drawer 1740	FARM & WELL	NO McMul	lan #A-1458
Clark	sburg, West Virginia 26301	DIST. & COUN	TY Middle	Fork/Randolpl
			IN COMPLIA	NCE
RULE	DESCRIPTION		YES	NO
23.06 25.04 25.03 16.01 15.03 15.02 15.01 15.04 15.05 23.02 25.01 23.04 23.05 23.07 16.01 16.02 7.05	Notification Prior to Starting Work Prepared before Drilling to Prevent High-Pressure Drilling Required Permits at Wellsite Adequate Fresh Water Casing Adequate Coal Casing Adequate Production Casing Adequate Cement Strength Cement Type Maintained Access Roads Necessary Equipment to Prevent Waste Reclaimed Drilling Pits No Surface or Underground Pollution Requirements for Production & Gather Well Records on Site Well Records Filed Identification Markings			
I HAVE I	NSPECTED THE ABOVE CAPTIONED WELL AND	RECOMMEND THAT	IT BE REI	EASED:
		SIGNED	My In	rey
		DATE	2-84	
with Cha	l record was received and reclamation pter 22, Article 4, Section 2, the absolute for the life of the well.	Administrator	emain unde	er bond



FORM	IV-2	(A)
Obver	se	
[8-83]	

1) Date: November 21,

2) Operator's

Well No. A - 1458 McMullan 3) API Well No. 47-083 ~ 0850 State County Permit

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OFFICE OF OIL & GAS

	NOTICE OF APPLICATION F	OR A WELL	WORK PERMIT
	WNER(S) OF RECORD TO BE SERVED Westvaco	5(i)	COAL OPERATOR N/A Address
Address (ii) NameAddress	Elkins, WV 26241	5(ii)	COAL OWNER(S) WITH DECLARATION ON RECONAME Harry McMullan Address P. O. Box 8
iii) Name			Name Henry L. Davis, c/o First PA Nat Address Tower Center Square
		· 5(iii)	Philadelphia, PA 19127 COAL LESSEE WITH DECLARATION ON RECORD Name N/A Address
	(2) The plat (surveyor's map) showing (3) The Construction and Reclamation P plug a well), which sets out the p reclamation for the site and acces THE REASON YOU RECEIVED THESE DOCUMENT WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU	parties involved ation and, if a the well location and form IV- alan for erosion is road.	7-2(B) (or Form IV-4 if the well is d in the drilling or other work, pplicable, the proposed casing and on on Form IV-6; and 9)unless the well work is only to and sediment control and for
	Take notice that under Chanter 22 of t	he West Virginia otice and Applic or of the Office at the location of this Notice mailed by regis	OIL & GAS DIVIS a Code, the undersigned well op- cation and accompanying documents DEPT. OF Will e of Oil and Gas, West Virginia n described on attached Application , the Application, the plat, and the stered or certified mail or delivered
	6) EXTRACTION RIGHTS Check and provide one of the following: I hold the right to extract oil or The requirement of Code 22-4-1-(c)(1) 7) ROYALTY PROVISIONS Is the right to extract, produce or marked or other contract or contracts providing for compensation to the owner of the oil of the volume of oil or gas so extracted,	mer continuing of gas. through (4). (S et the oil or ga for flat well r	contract or contracts by which See reverse side for specifics.) as based upon a lease or leases coyalty or any similar provision
	If the answer above is No, nothing you may use Affidavit Form IV-60.	ng additional is	needed. If the answer is Yes,
	See the reverse side for line item i the required copies of the Notice an Reclamation Plan.	nstructions, and Application,	d for instructions concerning plat, and Construction and
Notice and and sworn to signed on be in my Counting Daniel	f the information on the Application is verified o and the Notice is ehalf of the Well Operator y and State by L. Wheeler	WELL OPERA By Its Add	Abriel & Whatan
this21 day			Clarksburg, WV 26301 ephone 304-623-6671

Notary Public, Harrison County,

State of West Virginia

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-lb(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 § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-8a 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 § § 22-4-1m, 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 Pa	ge
	dated May 1, McMullan, et	THE RESERVE OF THE PARTY OF THE	Columbi	ia Gas		1/8	B-283	408
Columb	bia Gas Assig	ned to A	LAMCO			(Not	Record	ed)



Form IV-9 [Rev 8-81]



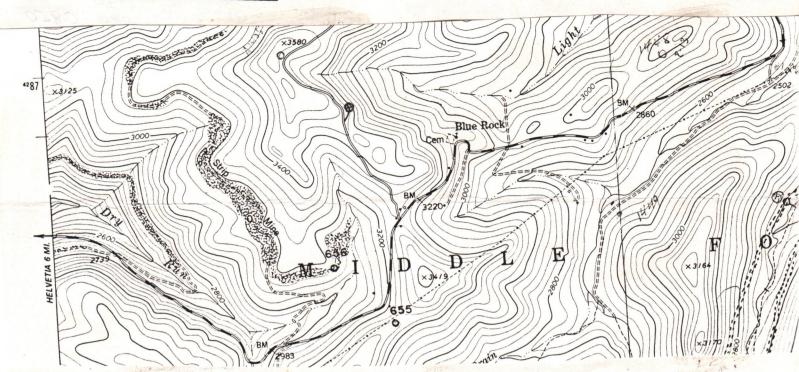
State of Mest Airginia Department of Mines Oil und Cas Division Date Nov. 22, 1983
Well No. A-1458
API No. 47 - 083 - 0850
State County Permit

CONSTRUCTION AND RECLAMATION PLAN

	e ALAMCO			Designated	Agent Doni	el L. Wheeler	
Address	P. O. Box 17	40			P. O. Box 17		
		West Virginia	-				
Telephone			-			West Virginia	
Landowner	623-6671		-	Telebuoue	623-66/1		
Tencowner	WESTYACO		-	Soll Cons	District 7	GART VALLEY	
Revegetatio	n to be carried	d out by	ALAMCO	11 0	1		(Agent)
This plan h	as been reveiw	ed by /110	art	() all	leur 1	SCD All	
		rt of this plan.	1115	7/83	1 1 1 1	SCD. All	corrections
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Structure _			(C)	Structure			(:
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Attach or photocopy section of involved topographic map Quadrangle Apolph 7.5

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.

Property boundary IEGEND	Diversion 411111111111
Road =====	Spring O→
Existing fence — X — X —	Wet Spot &
Planned fence —/—/—	Building .
Streem \	Drain pipe \longrightarrow 0 \longrightarrow
Open ditch>>	Waterway C=====

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.

