FILE COPY



1)	Date:	Decembe	er	14,	, 1983
2)	Operator's Well No.	A-14	71	(Mc	Mullan)
3)	API Well N	No. 47	-	083 -	0869
		State		County	Permit

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

District: Middle Fork County: Randolph Quadrangle: Cassity 7.5'	District: Middle Fork County: Randolph Quadrangle: Cassity 7.5' WELLOPERATOR Alamco, Inc. 7) DESIGNATED AGENT D. L. Wheeler Address P. O. Box 1740) LOCATIO									PERMIT M
District: Middle Fork County: Randolph Quadrangle: Cassity 7.5' WELLOPERATOR Alamco, Inc. 7) DESIGNATED AGENT D. L. Wheeler Address P. O. Box 1740 Clarksburg, WV 26301 OIL & GAS INSPECTOR TO BE NOTIFIED Name Phil Tracy Address General Delivery Address General Delivery Address General Delivery Address General Delivery Ellamore, WV 26267 Clarksburg, WV 26301 PROPOSED WELL WORK: Drill X Drill Geoper Redrill Stimulate Plug off old formation Perforate new formation X Clarksburg, WV 26301 Other physical change in well (specify) GEOLOGICAL TARGET FORMATION, Elk 12) Estimated depth of completed well, 5350 feet 13 Approximate trata depths: Fresh, - feet; salt, 273 feet. 14) Approximate trata depths: Fresh, - feet; salt, 273 feet. OLASING AND TUBING PROGRAM CASING OR SPECIFICATIONS FOOTAGE INTERVALS OR SACKS (Cabbic Red Perf). New Used For drilling Left in well Combined to the same proposed of the same production of the same production 16" X 20# X 200 200 Cement to Surfletce remediate 11-1/2" 10.25.0	WELL OPERATOR Alamco, Inc. WELL OPERATOR Alamco, Inc. WELL OPERATOR Alamco, Inc. OIL & GAS INSPECTOR TO BE NOTIFIED PROPOSED WELL WORK: Drill X Drill Plug off old formation Other physical change in well (specify) GEOLOGICAL TARGET FORMATION, Ell Destinated depth of completed well, Destinated depth of completed well of completed well of completed well of completed well of completed	LOCATIO									_/ ShallowA/)
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File

FILE COPY





STATE OF WEST VIRGINIA PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK TAXWOO (A Underground storage B (If "Gas", Production S) LOCATION: 7) DESIGNATED AGENT D. I. 6) WELL OPERATOR 9) DRILLING CONTRACTOR: 8) OIL & GAS INSPECTOR TO BE NOTIFIED Address / Redrill_ 10) PROPOSED WELL WORK: Drill / Perforate new formation___ Plug off old formation___ Other physical change in well (specify). 11) GEOLOGICAL TARGET FORMATION, 12) Estimated depth of completed well, 13) Approximate trata depths: Fresh, As coal being mined in the area? Yes_ 14) Approximate coal seam depths: 15) CASING AND TUBING PROGRAM PACKERS CEMENT RILLIP FOOTAGE INTERVALS SPECIFICATIONS CASING OR OR SACKS TUBING TYPE Left in well Conductor Fresh water Coal Intermediate 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) Y IVO HOU HOUSE inspection(s) Application received DRILLING PERMIT Well work started Completion of the drilling This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent agasong quirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil In addition, the well operator or his contrac Well Record received district oil and gas inspector 24 hours before actual permitted work has commenced.) The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the permitted work is as described in the Notice and Application, plat, and reclamation plat, and reclamation plat, and reclamation plate work is as described in the Notice and Application, plate and reclamation plate and r reverse hereof. OTHER INSPECTIONS Pist: Casing Agent; b Reason: Reason: Administrator, Office of Oil and Gas

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





State of Mest Niegimia Department of Mines Oil und Cas Nivision

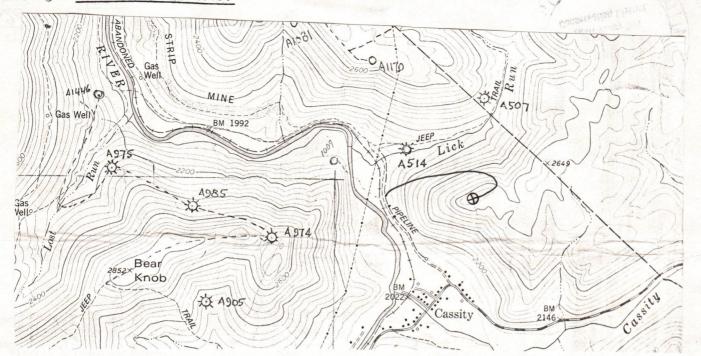
Date -	1/3/84
	. A-1471
API No.	47 - 083 -0869
	State County Permit

CONSTRUCTION AND RECLAMATION PLAN

company Nam	a ALAMCO		Designated	Agent Day	niel L. W	heeler	
ddress	P. O. Box 1740			P. O. Box			
auress	Clarksburg, West	Virginia		Clarksburg		irginia	
elephone	623-6671			623-6671			
andowner	WESTUACO		Soil Cons	District .	TYGART	VALLEY	
Revegetatio	on to be carried out	by ALAMO	00 +	1 1/1			_(Agent)
		1	Agost 1	feel			
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			(Date)		(SCD A	Second Ines	1984
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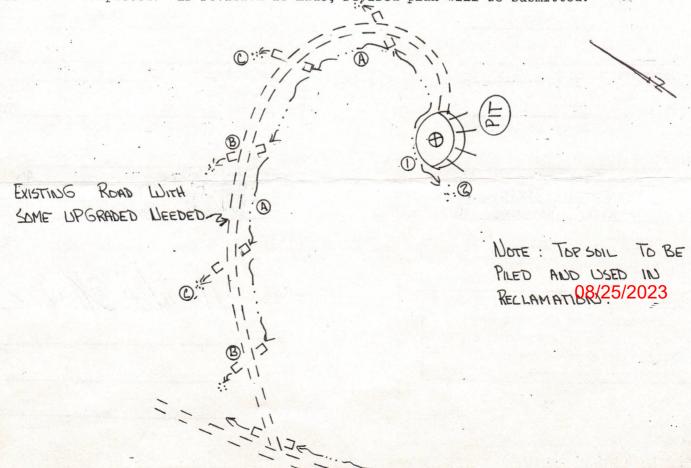
Attach or photocopy section of involved topographic map. Guadrangle CASSITY 7.5 MIN.





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.

Slope of access road 30 % -- 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.



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FORM	IV-2(A)	
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Notary Public, <u>Harrison</u>
State of <u>West Virginia</u>

County,

		December	14,	,19	83
2)	Operat	or's		_	

Well No. A-1471 (McMullan)

3) API Well No. 47 - 083 - 08

State County Permit

08/25/2023

STATE OF WEST VIRGINIA DEPARIMENT OF MINES, OFFICE OF OIL

		NOTICE OF APPLICATION F			
		ER(S) OF RECORD TO BE SERVED		COAL OPERATOR Address	N/A
	Address	Westvaco 203 Randolph Avenue Elkins, WV 26241	5(ii)	COAL OWNER(S) W	TITH DECLARATION ON RECOR
(11)	Name Address			Name See At Address	tached
(iii)	Name Address			Name Address	N/A
	- -		5(iii)	COAL LESSEE WIT Name Address	H DECLARATION ON RECORD:
		TO THE PERSON(S) NAMED ABOVE: You should ha	Typ received th	is Form and the fell	
		(1) The Application for a Well Work Per to be plugged, which sets out the and describes the well and its locacementing program; (2) The plat (surveyor's map) showing (3) The Construction and Reclamation P. plug a well), which sets out the plug a well), which sets out the preclamation for the site and access. THE REASON YOU RECEIVED THESE DOCUMENTS WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU.	the well location and, if any the well location and if any the well location and if any the well location is road. Is THAT YOU HE	on on Form IV-6; and by) unless the well work and sediment control are	er work casing and GEIVEII is only to d for JAN 1 1 1984
		Take notice that under Chapter 22 of the erator proposes to file or has filed this Notice as well work Permit with the Administrate Department of Mines, with respect to a well and depicted on attached Form IV-6. Copies Construction and Reclamation Plan have been by hand to the person(s) named above (or by before the day of mailing or delivery to the	ne West Virginia brice and Applic or of the Office at the location of this Notice, mailed by regis	Code, the undersigned watton and accompanying of of oil and Gas, West Via described on attached the Application, the placement or certified mail	well op- iccurrents irrginia Application lat, and the
		6) EXTRACTION RIGHTS			
		Check and provide one of the following: Included is the lease or leases or oth I hold the right to extract oil or The requirement of Code 22-4-1-(c) (1)	er continuing ogas. through (4). (5	ontract or contracts by	which
		7) ROYALTY PROVISIONS Is the right to extract, produce or marke or other contract or contracts providing for compensation to the owner of the oil of to the volume of oil or gas so extracted,	t the oil or ga for flat well n	s based upon a lease or ovalty or any similar pro	leases
		If the answer above is No, nothing you may use Affidavit Form IV-60.	g additional is	needed. If the answer is	s Yes,
		See the reverse side for line item in the required copies of the Notice and Reclamation Plan.	nstructions, and Application, p	for instructions concer plat, and Construction ar	ming
Noti and	ce and Ap	the information on the plication is verified and the Notice is alf of the Well Operator	WELL OPERA	TOR ALAMCO	INC.
in m	y County	and State by	ByIts	h Too I TOOTUCE	nt Maller
	14 day of	December , 19 83.		Clarksburg	WV 26301
	// //	- /	IST	ephone 304-623-66	0/1

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-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
Goff-Arnold Land	Columbia Gas	1/8	272 449
Columbia Gas Transmission Co.	ALAMCO	1/8	Not Recorded

COAL, OIL AND GAS OWNERSHIP

Harry McMullan
P. O. Box 8
Washington, North Carolina 27889

Elizabeth Arnold Vilseck 125 Randolph Avenue Elkins, West Virginia 26241

Mrs. Charles Philip Holz 1517 Connell Road Charleston, West Virginia 25314

Esther M. Cutright
Esther M. Richter
201 29th North
St. Petersburg, Florida 33713

Florence K. Hoback, M.D. 2658 Third Avenue Huntington, West Virginia 25702

SURFACE OWNERSHIP

Westvaco 203 Randolph Avenue Elkins, West Virginia 26241

ATTN: LAND DEPT. P 406 782 050

NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Charles Philip Holtz 1517 Connell Road Charleston, W 25314 ALAMCO, TNC: 200 W. Main Street 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 Postmark or Date Form 3800, PS

P 406 782 049
RECEIP FOR SENTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL

(See Reverse)

	Florence K. Hoback	,	M.D.	
	2658 Third Avenue Huntington, WV P.O., State and ZIP Code	25	702	
	ALAMCO, INC.	1		_
	200° W. Main Street	\$		
,	Par God Box 1740	1		_
	Clarksburg, WV 26	36	02	-
	Restricted Delivery Fee		144	
	Return Receipt Showing to whom and Date Delivered			
2	Return Receipt Showing to whom, Date, and Address of Delivery			-
Feb. 1982	TOTAL Postage and Fees	\$		
PS Form 3800, Fel	Postmark or Galantis Superior 1904	access of the second		

ATTN: LAND DEPT.2 406 782 040

NO INSURANCE COVERAGE PROVIDED—

NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to

er
a 337
\$
26302

P 406 /82 032

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL

(See Reverse)

	Dec reverse)	
	Sent to	
1	Westvaco.	
1	203 Randolph Avenue	
1	LaD. State and ZIP Code !	
R	LAMCO, INC.	62
H	Postage \$	
-	200 W. Main Street \$	
1		
F	2°O: Box 1740	
	71777 00000	
(Clarksburg, WV 26302	
	Restricted Delivery Fee	
	Return Receipt Showing to whom and Date Delivered	
	Return Receipt Showing to whom,	
32	Date, and Address of Delivery	
. 198	TOTAL Postage and Fees \$	
rm 3800, Feb. 1982	Postmark or Date	
m 3	08/25/2023	



OIL & GAS DIVISIONS DEPT. OF MINES

ATTN: LAND DEPT. 782 054 P 406 RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED-NOT FOR INTERNATIONAL MAIL

(See Reverse)

	(500 200	
I	Harry McMullan	
S	Peet Ord BOX 8	07000
	Washington, NC	2/889
P	Washington, NC O., State and ZIN Code AMCO, INC.	
A	AMUO, THO	
26	O W. Main Street	\$
1	O P 1740	
P	O Box 1740	002
-	tarkshurg, WV ZO	004
1	Special Delivery Fee	
-		- Taranta and
	Restricted Delivery Fes	4 1
1	Return Receipt Showing to whom and Date Delivered	
+	Return Receipt Showing to whom,	
-1	Date and Address of Delivery	
1982	TOTAL Postage and Eass	\$
eb	Postmark of Date	13
Form 3800, Feb. 1982	130	Service Services
Fo	10,00	P.
T/O	10.13 30 20	

ATTN: LAND DEPT. P 406 782 059 NO INSURANCE COVERAGE PROVIDED—

NOT FOR INTERNATIONAL MAIL

(See Reverse)

E	Sent to lizabeth Arnold Vil	seck	
1	25°Randolph Avenue		
E	kins West Kirgini	.a2	624
2	200 W. Main Street D. O. Box 1740	\$	
1	iarksburg, WV 26	302	
	Special Delivery Fee		
	Restricted Delivery Fee		
	Return Receipt Showing to whom and Date Delivered		
32	Return Receipt Showing to whom, Date, and Address of Delivery		
b. 198	TOTAL Postage and Wood	\$	
Form 3800, Feb. 1982	Postmark of Date 1/1/N	AN	



OIL & GAS DIVISION DEPT. OF MINES



STATE OF WEST VIRGINIA

Date June 8, 1984

Operator's
Well No. A-1471

Farm McMullan

API No. 47 - 083 - 0869

OIL & GAS DIVISION DEPARTMENT OF MINES

DEPT. of MINES and GAS DIVISION

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 2644' District: Middle Fork County	Wate	ershed Mid	dle Fork E	River
District: Middle Fork County	y: Rando	olph Qu	adrangle:	Cassity 7.5'
COMPANY ALAMCO, INC				
200 West Main Street DDRESS Clarksburg, West Virginia 26301	Casing	Used in	Left	Cement
ESIGNATED AGENT ALAMCO, INC	& Tubing	Drilling	in Well	fill up Cu. Ft.
200 West Main Street DDRESS Clarksburg, West Virginia 26301	Size 20-16			
	Cond.			
URFACE OWNERWestvaco	11-3/4"	21'	Pulled	
DDRESS 203 Randolph Ave., Elkins, WV 26241	9 5/8"			rejas
INERAL RIGHTS OWNER Harry McMullan	8 5/8"	975'	975'	to surface
DDRESS P.O. Box 8, Washington, NC 27889	7"			
IL AND GAS INSPECTOR FOR THIS WORK Phil	5 1/2"			
Tracy ADDRESS Gen. Dely., Ellamore, WV	4 1/2"	5105'	5105'	w/450 sks -2400'
ERMIT ISSUED January 27, 1984	3			
RILLING COMMENCED April 16, 1984	2			
RILLING COMPLETED April 25, 1984				
F APPLICABLE: PLUGGING OF DRY HOLE ON	Liners		5/2	
ONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED N	used			
EOLOGICAL TARGET FORMATION Elk		DEPTH_	5350	FEE'
Depth of completed well 5260 fe	eet Rotar	cy x /	Cable 1	lools
Water Strata depth: Fresh 155				Saltfee
Coal seam depth: 578-581, 805-808		_Is coal bei	ng mined i	in this area? <u>N</u>
PEN FLOW DATA Producing formation lst Elk, Balltown		Pay zone	denth 9	See hack for
Gas: Initial open flow 9 Mcf/d				
Final open flow 984 Mcf/d				
Time of open flow between in:		The state of the s		
Static rock pressure 825 psig (surface n				
(If applicable due to multiple completion-				
Second producing formation		Pay zo	ne dpeth	08/25/2023ee
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between init				
Static rock pressure psig (surface mea				
			e on rever	

FORM IV-35 (REVERSE)

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

Well was fractured

Perforations:

May 3, 1984 2720 - 2727 Balltown

4972 - 4976 lst Elk

	W	ELL LOG	6.7 %
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale Coal Sand & Shale Coal Sand & Shale Red Rock & Shale Sand & Shale Red Rock Sand & Shale Red Rock & Shale Sand & Shale Little Lime Red Rock & Shale Big Lime Injun Sand & Shale	0 578 581 805 808 992 1023 1030 1035 1142 1210 1265 1272 1359 1545 1665	578 581 805 808 992 1023 1030 1035 1142 1210 1265 1272 1359 1545 1665 5260 T.D.	1/4" stream water @ 155' Gas check @ 1770' No show Gas check @ 2265' No show Gas check @ 3004' No show Gas check @ 3467' 4 MCF/D Gas check @ 3898' 4 MCF/D Gas check @ 4453' 9 MCF/D Gas check @ 4981' 9 MCF/D Gas check @ 5260' 9 MCF/D GaMMA RAY LOG TOPS Pocono 1662' Gordon Stray 1901' Gordon 2034' 4th Sand 2074' 4th A Sand 2191' 5th Sand 2271' Bayard 2321' Speechley 2381' Balltown 2712' Bradford 3251' Riley 3651' Benson 3780' Alexander 4324' 1st Elk 4969' 2nd Elk 5024' 3rd Elk 5185'
	(Attach sonar	ate sheets as	nocossary

(Attach separate sheets as necessary)

ALAMCO, INC.

Well Operator

Vice President Oil & Gas Operations

Date:_

June 8, 1984

08/25/2023

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."

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

INSPECTOR'S WELL REPORDEPT. OF MINES

npany Clauco	CASING AND TUBING	DRILLING	LEFT IN	PACKI	ERS
SSS	Size				
Hera Me Mullini	16	5 /	CONTROL OF STREET	Kind of Pack	er
1471	13			Contract of the second	
Will tack county Radelless	81/4	115	175-	Size of 300 Skon	1
commenced	65%	and the same of th		Depth set	
ompletedTotal depth 195-	5 3/16			San Arthur Stra	
and the first own of a manifest and the state of the stat	3			Perf. top	
Depth of shot	2			Perf. bottom_	
/10ths Water inInch	Liners Used			Pert. top	
tubing/10ths Merc. inInch			and the second	Perf. bottom_	
Cu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date
elbshrs.	NAME OF SEF	RVICE COMPA	NY	and the second s	pada ngi e i
bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEET	_INCHES
feetfeet	FEET_	INCE	ES	FEET	_INCHES
feetfeet	FEET_	INCH	ES	FEET	INCHES
			*	- Charles - Char	
mes					

4-19-84 DATE Philip Mar 125/2023

PARTICI WELL INSPECTOR

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

COMPANY			ADDRESS			
FARM						
				COUNTY		
illing Material Used	and the second s		and the second s	and the same of th	a water select the	
iner Lo	eation	Amount		and the second second		J
		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACE CEMENT-THICKNESS WOOD-SIZE			BRIDGES	CASING AND TUBING		
- THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOST
				in a second	arest 1	
				L. Berner S. C.		er:1219
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	48 144			a 138727 ma		
narks:	the same of the sa					

DISTRICT 08/25/2023





OIL & GAS DIVISION DEPT. OF MINES

State of West Virginia

Department of Mines Oil and Gas Division Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

COMPANY	June 22, 198 Alamco, Inc.				
COTHANT	Aldineo, Inc.	PERMIT NO	083-08	369	
P. O.	Drawer 1740	FARM & WELL	NO Harry	McMullan	#A-1471
Clarks	burg, West Virginia 26301	DIST. & COUN	TTYMiddle	e Fork/Rai	ndolph
RULE	DESCRIPTION		IN COMPLIA	NCE 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 W High-Pressure Drilling Required Permits at Wellsite Adequate Fresh Water Casing Adequate Coal Casing Adequate Production Casing Adequate Cement Strenght Cement Type Maintained Access Roads Necessary Equipment to Prevent Waste Reclaimed Drilling Pits No Surface or Underground Pollution Requirements for Production & Gatheri Well Records on Site Well Records Filed Identification Markings	Vaste			
I HAVE I	NSPECTED THE ABOVE CAPTIONED WELL AND	RECOMMEND THAT SIGNED DATE 2	IT BE RELI	EASED:	-
with Chap	l record was received and reclamation oter 22, Article 4, Section 2, the abofor the life of the well.	requirements approximately very well will reached Administrator	emain under	bond	
		Febrry 21		2- 20201	-
			ATE		-

