IS PERMIT MUST BE POSTED AT THE WELL SITE provisions being in accordance with Chapter 22 the W. Va, Code, the location is hereby approved ____. This permit shall expire if drilling perations have not commenced by 1-14-82 STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL & GAS DIVISION DEPT. OF MINES & Suestle Deputy Director - Oil & Gas Division OIL and GAS DIVISION THE DEPARTMENT OF MINES, AND GAS WELL PERMIT APPLICATION Charleston, W. Va. April 8, 1981 ALLEGHENY LAND AND MINERAL COMPANY Surface Westvaco Harry McMullan, III, Agent Company P. O. Drawer 1740 Owners: P. O. Box 577 P. O. Box 8 Address Clarksburg, West Virginia 26301 Rupert, WV 25984 Washington, NC 27889 Farm McMullan Acres 185.5 Location (waters) Middle Fork River Coal, Oil & Harry McMullan, III, Agent (address shown) Well No. A-983 Elevation 2456' Gas Owner: District Middle Fork County Randolph Quandrangle Cassity 7.5' Coal Lessees: International Coal Company Greenbrier Valley Building 119 Washington Street, East Lewisburg, West Virginia 24901 INSPECTOR TO BE Robert S. Stewart NOTIFIED. P. O. Box 345 AMAX Coal Company ADDRESS: Jane Lew, West Virginia 26378 105 South Meridan Street Indianapolis, Indiana 46225 PHONE: 884-7782 GENTLEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case my be) under grant or lease dated June 14, 19 71 by Harry McMullan, Jr., etai made to Manufacturers Light & Heat unto Columbia then AL&M and recorded on the 30th day of July , in Randolph County, Book 272 Page 433 XXX NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address own the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly yours, PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: (Sign Name) ALLEGHENY LAND AND MINERAL COMPANY Address OFFICE OF OIL AND GAS of 1615 Washington Street, East Well Operator Daniel L. Wheeler, Vice President Charleston, West Virginia P. O. Box 1740 Area Code 304 348-3092 348-3096 Clarksburg, West Virginia 26301 *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 shail 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 03/15/12/02/04 horized BLANKET BOND 47 - 083 - 0466 "I have read and understand the reclamation requirements as set forth in PERMIT NUMBER Chapter 22, Article 4, Section 12-b and will carry out the specified requirements." Signed by _ Marvos

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

DODOCED WARK APPER TA	XXX DRILL	DEEPEN	FRACTURE STIMULATE
		RESPONSIBLE AGENT:	
RILLING CONTRACTOR: (If		NAME: Allegheny	Land and Mineral Company
IAME: Union Drilling		ADDRESS: P. O. Drav	wer 1740
ADDRESS: P. O. Drawer 40			g, West Virginia 26301
	st Virginia 26201	Telephone: 304-623-66	571
TELEPHONE: 304-472-4610		ROTARYXXX	
STIMATED DEPTH OF COMPLET			Charleston, W. Va
PROPOSED GEOLOGICAL FORMAT	TION Elk		DISPOSAL
TYPE OF WELL: OIL_	GAS XXX		opevi OTHER on i mag
	RECYCLING	j	'uners: 0. Box 577
	Address Clarksburg, Wes	Washington, NC 27589	
TENTATIVE CASING PROGRAM:		makes drawn processes and	About the party ages of the
the adoption of the control of the special property of the second	USED FOR	(mode searbhe) KEFT IN WELL . III '. n	CEMENT FILL UP
CASING AND TUBING	DRILLING		OR SACKS - CUBIC FT.
SIZE 20 - 16	20'	201	cement to surface
13 - 10	Owndramylo Cassing 7.		
9 - 5/8		700'	cement to surface
8 - 5/8	7001	tana tanaha pak	#12 old Old
7	LISPICTOR TO RE HOLV	10000 alaladiv took	7001 chave
5 1/2 176Wet2 28 17	50001	5000'	cement to 300' above producing horizon
4 1/2	1222000	Vneque.	Perf. Top
3		ecidan Street	Perf. Top
Liners	PROJET: 34-	SOCAN CHELDAL IS	Perf. Bottom
		AN T WATER	FEET
ADDROYLMATE FRESH WATER	DEPTHS 12071 FE	ET SALT WATER_	GENTLEMEN:
	1751		The undersigned Vello
APPROXIMATE CONE DELINIE	THE AREA? NO	BY WHOM?	having fee, fifte there'o.
TO DRILL:		RMIT FEE, PERFORMANCE BOND AND P	ERMANENT COPY OF PLAT.
SUBMIT FIVE (5) COR	PIES OF OG - 1, \$100.00 PE	RMIT FEE, PERFORMANCE BOND	
TO DRILL DELICITION OF A CO.	DIES OF OG - 1. SHOWING OR	IGINAL PERMIT NUMBER AND PERFORM	ANCE BOND. ON WELLS DRILLED PRI
SUBMIT FIVE (5) CO	NT COPY OF THE PLAT AND TH	E ORIGINAL WELL RECORD MUST ALSO	The encious platings
TO FRACTURE - STIMULATE	::	E HINE 5 1929, FIVE (5) COPIES	OG - 1, PERFORMANCE BOND, PERMAN
OIL AND/OR GAS WEL	L ORIGINALLY DRILLED BEFOR	RE JUNE 5, 1929, FIVE (5) COPTES	required to make by Section
		ID ACTED HINE D. 1929. ITTE	01 120
OIL AND/OR GAS WEL	LL ORIGINALLY DRILLED ON A	and the enclosed shot error maller	Copies of this notice
DEDMIT MIMPED ANI	DERFORMANCE BOILD		the same and the s
TIV teek myted forme mu	st be filed within ninety	(90) days of completion for bond	release. Inspector to be notif
Required forms mu	hours in advance.		
Twelliy-Tour (21)			
			CEOPHYSIOAL LOGS DIRECTLY T
D AUD IN NEGAL COMPANY	(Sign None) ALLEGHENY LAN		1 12 1020 IV STORE SHOULD BE STORED
			is to be issued within ten days
The fallowing wa	iver must be completed by	the coal operator if the permit	is to be issued within ten days of
			ped teents notoningsw close
	Daniel L. Who		Owner or Operator of the coal U
WAIVER: I the unders	igned, Agent for	our mine mans this proposed well	J. COOF-SAF NOE obod senA
this lease h		Out Illino maps	location.
	ave examined and place on		location.
the ball of the ball of the said		at all bound on boilt ons. ampito.	location. to said well being drilled at t
in said pariod of tem da		at all bound on boilt ons. ampito.	to said well being drilled at t
is not to be into blee ning large interpretation, promote a point of the control	Department of almos, with	Coal Company have no objections	s to said well being drilled at tons in Articles 4, 5, and 7, Chap
is a man we the	Department of almos, with	at all bound on boilt ons. ampito.	s to said well being drilled at tons in Articles 4, 5, and 7, Chap
is need even a location, pr	Department of almos, with	Coal Company have no objections	ons in Articles 4, 5, and 7, Chap
a mood even elocation, preduce not checked	Department of almos, with	Coal Company have no objections	s to said well being drilled at tons in Articles 4, 5, and 7, Chap
a need even elocation, produced the We	roviding operator has complest Virginia Code.	Coal Company have no objections ied with all rules and regulation	ons in Articles 4, 5, and 7, Chap 03/15/2024 For Coal Company
same deven location, produce the West and Secretary 22 of the West and Secretary 22 of the West	roviding operator has complest Virginia Code.	Coal Company have no objections	ons in Articles 4, 5, and 7, Chap 03/15/2024 For Coal Company

MAY 4 1981 Form IV-9 Tygart Valley Soil Conservation District (01-80)

MAY 1 3 1981

April 30 , 1981 Date_

Well No. A-983

API No. 47 - 083 - 0466

Charles County Permit OIL & GAS DIVISION DEPT. OF MINES

STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS

Revegetation to be carried out by Halls Reclamation, Inc. (Agent) This plan has been reveiwed by Additions become a part of this plan. (CDate) ACCESS ROAD ACC	Clarksburg, West Virginia Clarksburg, West Virginia Clarksburg, West Virginia Clarksburg, West Virginia Control Con	Company Name	Allegheny Lan	d & Mineral Co.		Designated	d Agent_ J	. Ronald Cull	en
Telephone 623-6671 Landowner Westvaco Soil Cons. District Tygarts Valley Revegetation to be carried out by Halls Reclamation, Inc. (Agent) This plan has been reveiwed by and additions become a part of this plan. (Cotton) ACCESS ROAD LOCATION Structure Drainage Ditch (A) Structure Drainage Ditch (SCD Agent) ACCESS ROAD LOCATION Structure Earthen Page Ref. Manual 1-10 Page Ref. Manual 1-10 Structure Culverts (B) Structure Rip-Rap (Cotton) S	relephone 623-6671 Mestvaco		THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW			Address	P. 0. Box	× 1740	
Revegetation to be carried out by Halls Reclamation, Inc. (Agent) This plan has been reveiwed by and additions become a part of this plan. (Cation) ACCESS ROAD ACCESS ROAD ACCESS ROAD Structure Drainage Ditch (A) Structure Drainage Ditch (SCD Agent) Spacing Earthen Page Ref. Manual I-10 Structure Culverts (B) Structure Rip-Rap (2 Spacing 12" Min. 1. D. Material Rock Page Ref. Manual I-8 Structure Rip-Rap (C) Structure Rip-Rap (3 Structure Rip-Rap (C) Structure Rip-Rap (C) Spacing Rock Manual N/A All structures should be inspected regularly and repaired if necessay. All comercial timber is	ACCESS ROAD ACCES ROAD ACCESS ROAD ACCESS ROAD ACCESS ROAD ACCESS ROAD ACCESS	well site,	Clarksburg, W	est Virginia	coss no	os pnitalxe	Clarksbu	rg, West Virg	inia
Revegetation to be carried out by Halls Reclamation, Inc. (Agent) This plan has been reveiwed by and additions become a part of this plan. ACCESS ROAD ACCESS	ACCESS ROAD ACCESS ROAD Tructure Drainage Ditch Page Ref. Manual I-B Age Ref. Manual I-B Access Road Tructure Rip-Rap Page Ref. Manual I-B Access Road Acc								
This plan has been reveiwed by the folian and additions become a part of this plan. This plan become a part of this plan become a part of this plan. This plan become a part of this plan become a part of this plan. This plan become a part of this plan become a part of this plan. This plan become a part of this plan. This plan become a part of this plan b	ACCESS ROAD ACCES ROAD ACCESS ROAD ACCESS ROAD ACCESS ROAD ACCESS ROAD ACCES ACCESS	Landowner _	Westvaco	And the second second		Soil Cons.	District	Tygarts Val	ley
This plan has been reveiwed by the folian and additions become a part of this plan. This plan become a part of this plan become a part of this plan. This plan become a part of this plan become a part of this plan. This plan become a part of this plan become a part of this plan. This plan become a part of this plan. This plan become a part of this plan b	ACCESS ROAD ACCES ROAD ACCESS ROAD ACCESS ROAD ACCESS ROAD ACCESS ROAD ACCES ACCESS								
ACCESS ROAD ACCES	ACCESS ROAD ACCESS ROAD LOCATION Tructure Drainage Ditch (A) Structure Drainage Ditch (1) Pacing Earthen Material Earthen Page Ref. Manual 1-10 Page Ref. Manual 1-10 Tructure Culverts (B) Structure Rip-Rap (2) Page Ref. Manual 1-8 Page Ref. Manual N/A Tructure Rip-Rap (C) Structure Rip-Rap (3) Page Ref. Manual N/A Rever Manual N/A	Revegetation	to be carried			amation, Inc	}•		(Agent)
ACCESS ROAD ACCESS ROAD Structure Drainage Ditch (A) Structure Drainage Ditch (SCD Agent) Spacing Earthen Material Earthen Page Ref. Manual I-10 Structure Culverts (B) Structure Rip-Rap (2 Spacing 12" Min. 1. D. Material Rock Page Ref. Manual I-8 Structure Rip-Rap (C) Structure Rip-Rap (2 Spacing Rock Manual N/A Structure Rip-Rap (C) Structure (C) Structure Rip-Rap (C) Structure Rip-Ra	ACCESS ROAD ACCESS ROAD LOCATION Tructure Drainage Ditch (A) Structure Drainage Ditch (1) Pacing Earthen Material Earthen Page Ref. Manual 1-10 Page Ref. Manual 1-10 Tructure Culverts (B) Structure Rip-Rap (2) Page Ref. Manual 1-8 Page Ref. Manual N/A Tructure Rip-Rap (C) Structure Rip-Rap (3) Page Ref. Manual N/A Rever Manual N/A			the	gasta	7/1/1/	w/		
ACCESS ROAD LOCATION	ACCESS ROAD LOCATION tructure Drainage Ditch pacing Earthen age Ref. Manual I-10 Access Road Material Earthen Page Ref. Manual I-10 Access Road Material Earthen Page Ref. Manual I-10 Access Road Material Earthen Page Ref. Manual I-10 Access Road Material Road Page Ref. Manual N/A Access Road (1) Access Road (2) Access Road Access Road Access Road (3) Access Road Access Road (4) Access Road Access Road Access Road (5) Access Road (6) Access Road Access Road (7) Access Road (8) Access Road Access Road Access Road (8) Access Road Access Road (8) Access Road Access Road Access Road (8) Access Road Access Road (9) Access Road (10) Access Road (11) Access Road (12) Access Road Access Road (13) Access Road Access Road Access Road (2) Access Road Access Road Access Road (2) Access Road Access Road Access Road (2) Access Road Access Road (2) Access Road Access Road (2) Access Road Access Road Access Road (2) Access Road Access Road (2) Access Road Access Road Access Road (2) Access Road Access Road (2) Access Road Access Road Access Road (2) Access Road Access Road Access Road (2) Access Road Access Roa					Lines	1111	The state of the s	corrections
ACCESS ROAD Structure Drainage Ditch Spacing Earthen Page Ref. Manual I-10 Structure Culverts Spacing 12" Min. 1. D. Spacing 12" Min. 1. D. Structure Rip-Rap Spacing Ref. Manual I-8 Structure Rip-Rap Structure Rip-Rap Spacing Rock Page Ref. Manual I-8 Structure Rip-Rap Spacing Rock Page Ref. Manual N/A All structures should be inspected regularly and repaired if necessay. All comercial timber is	ACCESS ROAD Ciructure Drainage Ditch (A) Structure Drainage Ditch (1) Pacing Earthen Material Earthen Page Ref. Manual 1-10 Ciructure Culverts (B) Structure Rip-Rap (2) Page Ref. Manual 1-8 Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure Rip-Rap (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Structure (3) Page Ref. Manual N/A Ciructure Rip-Rap (C) Page Ref. Manual N/A Ciru	and additions	s become a par	T of This plan.		1/1/	my	15 get	ves
Structure Drainage Ditch (A) Structure Drainage Ditch (1)	tructure Drainage Ditch (A) Structure Drainage Ditch (1) pacing Earthen Material Earthen age Ref. Manual I-10 Page Ref. Manual I-10 tructure Culverts (B) Structure Rip-Rap (2) pacing 12" Min. 1. D. Material Rock age Ref. Manual I-8 Page Ref. Manual N/A tructure Rip-Rap (C) Structure (3) pacing Rock Material Page Ref. Manual N/A tructure Rip-Rap (C) Structure (3) pacing Rock Material Page Ref. Manual N/A age Ref. Manual N/A Page Ref. Manual N/A Ill structures should be inspected regularly and repaired if necessay. All comercial timber is to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work negins.				(D	ате)		(SCD AGENT	
Structure Drainage Ditch (A) Structure Drainage Ditch (1)	tructure Drainage Ditch (A) Structure Drainage Ditch (1) pacing Earthen Material Earthen age Ref. Manual I-10 Page Ref. Manual I-10 tructure Culverts (B) Structure Rip-Rap (2) pacing 12" Min. 1. D. Material Rock age Ref. Manual I-8 Page Ref. Manual N/A tructure Rip-Rap (C) Structure (3) pacing Rock Material Page Ref. Manual N/A tructure Rip-Rap (C) Structure (3) pacing Rock Material Page Ref. Manual N/A age Ref. Manual N/A Page Ref. Manual N/A Ill structures should be inspected regularly and repaired if necessay. All comercial timber is to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work negins.					V			
Structure Drainage Ditch (A) Structure Drainage Ditch (1)	tructure Drainage Ditch (A) Structure Drainage Ditch (1) pacing Earthen Material Earthen age Ref. Manual I-10 Page Ref. Manual I-10 tructure Culverts (B) Structure Rip-Rap (2) pacing 12" Min. 1. D. Material Rock age Ref. Manual I-8 Page Ref. Manual N/A tructure Rip-Rap (C) Structure (3) pacing Rock Material Page Ref. Manual N/A tructure Rip-Rap (C) Structure (3) pacing Rock Material Page Ref. Manual N/A age Ref. Manual N/A Page Ref. Manual N/A Ill structures should be inspected regularly and repaired if necessay. All comercial timber is to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work negins.		ACCESS ROAD					LOCATION	
Spacing Earthen Material Earthen Page Ref. Manual 1-10 Structure Culverts (B) Structure Rip-Rap (2 Spacing 12" Min. I. D. Material Rock Page Ref. Manual I-8 Page Ref. Manual N/A Structure Rip-Rap (C) Structure (3 Spacing Rock Material Material Page Ref. Manual Page Ref. Manual N/A Page Ref. Manual All comercial timber is	pacing Earthen Manual I-10 Page Ref. Manual I-10 tructure Culverts (B) Structure Rip-Rap (2) pacing 12" Min. I. D. Material Rock age Ref. Manual I-8 Page Ref. Manual N/A tructure Rip-Rap (C) Structure Material Rock pacing Rock Manual N/A tructure Rip-Rap (C) Structure (3) pacing Rock Manual N/A Page Ref. Manual N/A tructures should be inspected regularly and repaired if necessay. All comercial timber is to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work negins.		NOOLSS NOND					<u> </u>	
Spacing Earthen Material Earthen Page Ref. Manual 1-10 Structure Culverts (B) Structure Rip-Rap (2 Spacing 12" Min. I. D. Material Rock Page Ref. Manual I-8 Page Ref. Manual N/A Structure Rip-Rap (C) Structure (3 Spacing Rock Material Material Page Ref. Manual Page Ref. Manual N/A Page Ref. Manual All comercial timber is	pacing Earthen Manual I-10 Page Ref. Manual I-10 tructure Culverts (B) Structure Rip-Rap (2) pacing 12" Min. I. D. Material Rock age Ref. Manual I-8 Page Ref. Manual N/A tructure Rip-Rap (C) Structure Material Rock pacing Rock Manual N/A tructure Rip-Rap (C) Structure (3) pacing Rock Manual N/A Page Ref. Manual N/A tructures should be inspected regularly and repaired if necessay. All comercial timber is to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work negins.	Structure Dr	rainage Ditch		(A)	Structure	Drainage	e Ditch	(1)
Page Ref. Manual I-IO Page Ref. Manual I-IO Structure Culverts (B) Structure Rip-Rap (2 Spacing 12" Min. I. D. Material Rock Page Ref. Manual N/A Structure Rip-Rap (C) Structure (3 Spacing Rock Material Material Page Ref. Manual Page Ref. Manual N/A Page Ref. Manual All comercial timber is	ructure Culverts (B) Structure Rip-Rap (2) Page Ref. Manual I-10 tructure Culverts (B) Structure Rip-Rap (2) Page Ref. Manual I-8 Page Ref. Manual N/A tructure Rip-Rap (C) Structure Nanual N/A tructure Rip-Rap (C) Structure Page Ref. Manual N/A tructure Rip-Rap (C) Structure Nanual N/A tructure Rip-Rap (C) Structure Nanual N/A Page Ref. Manual N/A Page Ref. Manual N/A Rever Ref. Manual I-10 Rever Ref. Manual I-10							THE RESIDENCE OF STREET AS A STREET OF STREET	
Structure Culverts (B) Structure Rip-Rap (2 Spacing 12" Min. I. D. Material Rock Page Ref. Manual I-8 Page Ref. Manual N/A Structure Rip-Rap (C) Structure (3 Spacing Rock Material Page Ref. Manual Manual Page Ref. Manual N/A Page Ref. Manual All comercial timber is	tructure Culverts (B) Structure Rip-Rap (2) pacing 12" Min. 1. D. Material Rock age Ref. Manual 1-8 Page Ref. Manual N/A tructure Rip-Rap (C) Structure (3) pacing Rock Material Page Ref. Manual N/A age Ref. Manual N/A Page Ref. Manual N/A Ill structures should be inspected regularly and repaired if necessay. All comercial timber is to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work needins. REVEGETATION				-				
Spacing 12" Min. 1. D. Material Rock Page Ref. Manual 1-8 Structure Rip-Rap (C) Structure Spacing Rock Page Ref. Manual N/A Page Ref. Manual N/A All structures should be inspected regularly and repaired if necessay. All comercial timber is	pacing 12" Min. I. D. Material Rock Page Ref. Manual 1-8 tructure Rip-Rap (C) Structure (3) pacing Rock Manual N/A Page Ref. Manual N/A REVEGETATION	ago non man			•				
Spacing 12" Min. I. D. Material Rock Page Ref. Manual I-8 Page Ref. Manual N/A Structure Rip-Rap (C) Structure (3) Spacing Rock Material Page Ref. Manual N/A Page Ref. Manual N/A Page Ref. Manual N/A All structures should be inspected regularly and repaired if necessay. All comercial timber is	pacing 12" Min. I. D. Material Rock age Ref. Manual 1-8 Page Ref. Manual N/A tructure Rip-Rap (C) Structure (3) pacing Rock Material Page Ref. Manual N/A age Ref. Manual N/A Page Ref. Manual N/A Il structures should be inspected regularly and repaired if necessay. All comercial timber is to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work negins. REVEGETATION	Structure C	Culverts		(B)	Structure	Rip-Ra	ар	(2)
Page Ref. Manual 1-8 Page Ref. Manual N/A Structure Rip-Rap (C) Structure (3) Spacing Rock Material Page Ref. Manual N/A Page Ref. Manual N/A All structures should be inspected regularly and repaired if necessay. All comercial timber is	Page Ref. Manual I-8 Page Ref. Manual N/A tructure Rip-Rap Page Ref. Manual N/A (C) Structure (3) Material Page Ref. Manual N/A Rever R								
Structure Rip-Rap (C) Structure (3) Spacing Rock Material Page Ref. Manual N/A Page Ref. Manual (3) All structures should be inspected regularly and repaired if necessay. All comercial timber is	tructure Rip-Rap (C) Structure (3) pacing Rock Manual N/A Page Ref. Manual Page Ref. Manual Recessary. All comercial timber is to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work regins.								
Spacing Rock Material Page Ref. Manual N/A Page Ref. Manual All structures should be inspected regularly and repaired if necessay. All comercial timber is	pacing Rock Material Page Ref. Manual N/A Page Ref. Manual Page Ref. Manual N/A Reversity and repaired if necessary. All comercial timber is to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work regins. REVEGETATION							7 7	
Spacing Rock Material Page Ref. Manual N/A Page Ref. Manual All structures should be inspected regularly and repaired if necessay. All comercial timber is	pacing Rock Material Page Ref. Manual N/A Page Ref. Manual Page Ref. Manual N/A Reversity and repaired if necessary. All comercial timber is to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work regins. REVEGETATION	Structure	Rip-Rap		(C)	Structure		3.96	(3)
Page Ref. Manual N/A Page Ref. Manual All structures should be inspected regularly and repaired if necessay. All comercial timber is	Page Ref. ManualN/A Page Ref. Manual Ill structures should be inspected regularly and repaired if necessay. All comercial timber is to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work begins. REVEGETATION					Material		ALC: U	
All structures should be inspected regularly and repaired if necessay. All comercial timber is	Ill structures should be inspected regularly and repaired if necessay. All comercial timber is to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work begins. REVEGETATION		nual N/	A		Page Ref.	Manual		•
REVEGETATION					R	EVEGETATION			
TREATMENT AREA II	TREATMENT AREA I		TREATMENT AR	EA I		6	TREAT	TMENT AREA II	
							0.5		T (
								. 6.5	lons/acre
or correct to ph 0.5	ime 2.5 Tons/acre Lime 2.5 Tons/acre	or correc	ст то рн 6.5			or cor	гест то рг	1 0.5	
	ime 2.5 Tons/acre Lime 2.5 Tons/acre or correct to pH 6.5 or correct to pH 6.5	Fortillzor	600	The Jacre		Fertilizer	600		lbs/acre
Fortilizer 600 lbs/acre Fertilizer 600 lbs/acre	or correct to pH 6.5 or correct to pH 6.5					1011111201			
	or correct to pH 6.5 ertilizer 600 bs/acre Fertilizer 600 bs/acre		20 20 01 040	TVatoli 17			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	o or equivale.	
Fertilizer 600 bs/acre Fertilizer 600 bs/acre (10-20-20 or equivalent) (10-20-20 or equivalent)	or correct to pH 6.5 ertilizer 600 bs/acre Fertilizer 600 bs/acre	Mulch Straw		2 lbs/acre		Mulch St	traw		2 lbs/acre
(10-20-20 or equivalent) (10-20-20 or equivalent)	or correct to pH 6.5 or correct to pH 6.5 ertilizer 600 lbs/acre Fertilizer 600 lbs/acre (10-20-20 or equivalent) (10-20-20 or equivalent)		ky 31 Fescue					escue	
(10-20-20 or equivalent) (10-20-20 or equivalent) Mulch Straw 2 lbs/acre Mulch Straw 2 lbs/acre	or correct to pH 6.5 or correct to pH 6.5 ertilizer 600 lbs/acre Fertilizer 600 lbs/acre (10-20-20 or equivalent) (10-20-20 or equivalent) (10-20-20 or equivalent) 2 lbs/acre					The state of the s			
(10-20-20 or equivalent) (10-20-20 or equivalent) Mulch Straw 2 lbs/acre Seed* Kentucky 31 Fescue 45 lbs/acre Seed* Kentucky 31 Fescue 45 lbs/acre	or correct to pH 6.5 or correct to pH 6.5 ertilizer 600 bs/acre bs/acre (10-20-20 or equivalent) (10-20-20 or equivalent) bs/acre ulch Straw 2 bs/acre bs/acre eed* Kentucky 31 Fescue 45 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre								
(10-20-20 or equivalent) (10-20-20 or equivalent) Mulch Straw 2 lbs/acre Seed* Kentucky 31 Fescue 45 lbs/acre Birdsfoot Trefoil 10 lbs/acre Birdsfoot Trefoil 10 lbs/acre Birdsfoot Trefoil 10 lbs/acre	or correct to pH 6.5 ertilizer 600 bs/acre (10-20-20 or equivalent) Fertilizer 600 bs/acre (ulch Straw 2 bs/acre Mulch Straw 2 bs/acre eed* Kentucky 31 Fescue 45 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Birdsfoot Trefoil 10 bs/acre		ro myograss			A Committee of the land of the			
	ino 2.5 Tons/agra Limo 2.5 Tons/agra							H 6.5	TOIIS/ del e
	ime 2.5 Tons/acre Lime 2.5 Tons/acre		ct to pH 6.5			or cor	rect to pl	H 6.5	
가도 아이들이 살아가는 그들은 사람이 아이들이 있는데 아이들이 되었다. 그는데 아이들이 아이들이 아이들이 아이들이 아이들이 아이들이 아이들이 아이들		ertilizer	600	Ibs/acre		Fertilizer	600		1bs/acre
Fertilizer 600 lbs/acre Fertilizer 600 lbs/acre	or correct to pH 6.5 or correct to pH 6.5								1+)
	or correct to pH 6.5 ertilizer 600 bs/acre Fertilizer 600 bs/acre								
	or correct to pH 6.5 ertilizer 600 bs/acre Fertilizer 600 bs/acre	Mulch Straw		2 lbs/acre		Mulch St	traw		2 bs/acre
(10-20-20 or equivalent) (10-20-20 or equivalent)	or correct to pH 6.5 or correct to pH 6.5 ertilizer 600 lbs/acre Fertilizer 600 lbs/acre (10-20-20 or equivalent) (10-20-20 or equivalent)	Seed* Kentuck	ky 31 Fescue	45 bs/acre		Seed* Ken	tucky 31 Fe	escue	45 bs/acre
(10-20-20 or equivalent) (10-20-20 or equivalent) Mulch Straw 2 lbs/acre Mulch Straw 2 lbs/acre	or correct to pH 6.5 or correct to pH 6.5 ertilizer 600 lbs/acre Fertilizer 600 lbs/acre (10-20-20 or equivalent) (10-20-20 or equivalent) (10-20-20 or equivalent) 2 lbs/acre	Birdsfo	oot Trefoil	10 lbs/acre		Biro	sfoot Tre	foil	10 lbs/acre
(10-20-20 or equivalent) (10-20-20 or equivalent) Mulch Straw 2 lbs/acre Seed* Kentucky 31 Fescue 45 lbs/acre Seed* Kentucky 31 Fescue 45 lbs/acre	or correct to pH 6.5 or correct to pH 6.5 ertilizer 600 bs/acre bs/acre (10-20-20 or equivalent) (10-20-20 or equivalent) bs/acre ulch Straw 2 bs/acre bs/acre eed* Kentucky 31 Fescue 45 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre	Domesti	ic Ryegrass	5 lbs/acre		Dome	estic Ryegi	rass	5 lbs/acre
(10-20-20 or equivalent) (10-20-20 or equivalent) Mulch Straw 2 lbs/acre Seed* Kentucky 31 Fescue 45 lbs/acre Birdsfoot Trefoil 10 lbs/acre Birdsfoot Trefoil 10 lbs/acre Birdsfoot Trefoil 10 lbs/acre	or correct to pH 6.5 ertilizer 600 bs/acre (10-20-20 or equivalent) Fertilizer 600 bs/acre (ulch Straw 2 bs/acre Mulch Straw 2 bs/acre eed* Kentucky 31 Fescue 45 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Birdsfoot Trefoil 10 bs/acre		/						A CONTRACTOR OF THE PARTY OF TH
(10-20-20 or equivalent) (10-20-20 or equivalent) Mulch Straw 2 lbs/acre Seed* Kentucky 31 Fescue 45 lbs/acre Birdsfoot Trefoil 10 lbs/acre Birdsfoot Trefoil 10 lbs/acre Birdsfoot Trefoil 10 lbs/acre	or correct to pH 6.5 ertilizer 600 bs/acre (10-20-20 or equivalent) Fertilizer 600 bs/acre (ulch Straw 2 bs/acre Mulch Straw 2 bs/acre eed* Kentucky 31 Fescue 45 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Birdsfoot Trefoil 10 bs/acre	*Inoculate al	II legumes suc	h as vetch, tre	foil an	d clovers wi	th the pro	oper bacterium	m. Inoculate
(10-20-20 or equivalent) Mulch Straw 2 lbs/acre Seed* Kentucky 31 Fescue 45 lbs/acre Seed* Kentucky 31 Fescue 45 lbs/acre Birdsfoot Trefoil 10 lbs/acre Birdsfoot Trefoil 10 lbs/acre Domestic Ryegrass 5 lbs/acre Domestic Ryegrass 5 lbs/acre	or correct to pH 6.5 ertilizer 600 lbs/acre (10-20-20 or equivalent) Fertilizer 600 lbs/acre (ulch Straw 2 lbs/acre Mulch Straw 2 lbs/acre eed* Kentucky 31 Fescue 45 lbs/acre Seed* Kentucky 31 Fescue 45 lbs/acre Birdsfoot Trefoil 10 lbs/acre Birdsfoot Trefoil 10 lbs/acre Domestic Ryegrass 5 lbs/acre Domestic Ryegrass 5 lbs/acre	with 3X recom	nmended amount						
(10-20-20 or equivalent) Mulch Straw 2 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre *Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate	or correct to pH 6.5 or correct to pH 6.5 ertilizer 600 lbs/acre Fertilizer 600 lbs/acre (10-20-20 or equivalent) (10-20-20 or equivalent) ulch Straw 2 lbs/acre Mulch Straw 2 lbs/acre eed* Kentucky 31 Fescue 45 lbs/acre Seed* Kentucky 31 Fescue 45 lbs/acre Birdsfoot Trefoil 10 lbs/acre Birdsfoot Trefoil 10 lbs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate								
(10-20-20 or equivalent) Mulch Straw 2 bs/acre Mulch Straw 2 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Negration *Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate	or correct to pH 6.5 or correct to pH 6.5 ertilizer 600 lbs/acre Fertilizer 600 lbs/acre (10-20-20 or equivalent) (10-20-20 or equivalent) ulch Straw 2 lbs/acre Mulch Straw 2 lbs/acre eed* Kentucky 31 Fescue 45 lbs/acre Seed* Kentucky 31 Fescue 45 lbs/acre Birdsfoot Trefoil 10 lbs/acre Birdsfoot Trefoil 10 lbs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate	Attach or pho	tocony section	n of involved T	opograp	hic man. O	adrangle	CASSITY 7	SI IS STUBMED
(10-20-20 or equivalent) Mulch Straw 2 bs/acre Mulch Straw 2 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Rye	or correct to pH 6.5 ertilizer 600 bs/acre Fertilizer 600 bs/acre (10-20-20 or equivalent) (10-20-20 or equivalent) ulch Straw 2 bs/acre Mulch Straw 2 bs/acre eed* Kentucky 31 Fescue 45 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate ith 3X recommended amount.	no incrementation	olocopy section	mismed Iliw a	opogi ap	pno seriotile	adi ang ie	TY OF TANGOLDS	ведор уд эпльпо
(10-20-20 or equivalent) Mulch Straw 2 bs/acre Mulch Straw 2 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Rye	or correct to pH 6.5 ertilizer 600 bs/acre Fertilizer 600 bs/acre (10-20-20 or equivalent) (10-20-20 or equivalent) ulch Straw 2 bs/acre Mulch Straw 2 bs/acre eed* Kentucky 31 Fescue 45 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate ith 3X recommended amount.			tion lace		allel v he		lot maitemate	one Setelanes
(10-20-20 or equivalent) Mulch Straw 2 bs/acre Mulch Straw 2 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Minoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount. Attach or photocopy section of involved Topographic map. Quadrangle CASSITY 7.51	or correct to pH 6.5 ertilizer 600 Ibs/acre Fertilizer 600 Ibs/acre (10-20-20 or equivalent) (10-20-20 or equivalent) ulch Straw 2 Ibs/acre Mulch Straw 2 Ibs/acre eed* Kentucky 31 Fescue 45 Ibs/acre Seed* Kentucky 31 Fescue 45 Ibs/acre Birdsfoot Trefoil 10 Ibs/acre Birdsfoot Trefoil 10 Ibs/acre Domestic Ryegrass 5 Ibs/acre Domestic Ryegrass 5 Ibs/acre Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate ith 3X recommended amount.	Legend:	Well Site	0.0001 010/10		C 1 * C 1 * C 2 *	The second second		
(10-20-20 or equivalent) Mulch Straw 2 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre *Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount. Attach or photocopy section of involved Topographic map. Quadrangle CASSITY 7.51	or correct to pH 6.5 ertilizer 600 Ibs/acre Fertilizer 600 Ibs/acre (10-20-20 or equivalent) (10-20-20 or equivalent) ulch Straw 2 Ibs/acre Mulch Straw 2 Ibs/acre eed* Kentucky 31 Fescue 45 Ibs/acre Seed* Kentucky 31 Fescue 45 Ibs/acre Birdsfoot Trefoil 10 Ibs/acre Birdsfoot Trefoil 10 Ibs/acre Domestic Ryegrass 5 Ibs/acre Domestic Ryegrass 5 Ibs/acre Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate ith 3X recommended amount.		Access Ro	ad		***			V11 1.
Mulch Straw 2 bs/acre Mulch Straw 2 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Attach or photocopy section of involved Topographic map. Quadrangle CASSITY 7.51	or correct to pH 6.5 ertilizer 600 bs/acre Fertilizer 600 bs/acre (10-20-20 or equivalent) (10-20-20 or equivalent) ulch Straw 2 bs/acre Mulch Straw 2 bs/acre eed* Kentucky 31 Fescue 45 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate ith 3X recommended amount. ttach or photocopy section of involved Topographic map. Quadrangle CASSITY 7.5!	mille ?	VINION C		MY		110/	1	3
Mulch Straw 2 bs/acre Mulch Straw 2 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Minoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount. Attach or photocopy section of involved Topographic map. Quadrangle CASSITY 7.51	or correct to pH 6.5 ertilizer 600 bs/acre Fertilizer 600 bs/acre (10-20-20 or equivalent) (10-20-20 or equivalent) ulch Straw 2 bs/acre Mulch Straw 2 bs/acre eed* Kentucky 31 Fescue 45 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate ith 3X recommended amount. ttach or photocopy section of involved Topographic map. Quadrangle CASSITY 7.5!	William .	3/1/0/1/2		17 21	11/11/11/11/11	11/	The last	03/15/20
Mulch Straw 2 bs/acre Mulch Straw 2 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Minoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount. Attach or photocopy section of involved Topographic map. Quadrangle CASSITY 7.51	or correct to pH 6.5 ertilizer 600 bs/acre Fertilizer 600 bs/acre (10-20-20 or equivalent) (10-20-20 or equivalent) ulch Straw 2 bs/acre Mulch Straw 2 bs/acre eed* Kentucky 31 Fescue 45 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate ith 3X recommended amount. ttach or photocopy section of involved Topographic map. Quadrangle CASSITY 7.5!	The state of the s	3/1/1/1/2		A This	Gas Wells	1166	260	031/3120
Mulch Straw 2 bs/acre Mulch Straw 2 bs/acre Seed* Kentucky 31 Fescue 45 bs/acre Birdsfoot Trefoil 10 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Mulch Straw 2 bs/acre Birdsfoot Trefoil 10 bs/acre Domestic Ryegrass 5 bs/acre Domestic Ryegrass 5 bs/acre Minoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount. Attach or photocopy section of involved Topographic map. Quadrangle CASSITY 7.51	or correct to pH 6.5 ertilizer 600 Ibs/acre Fertilizer 600 Ibs/acre (10-20-20 or equivalent)	7	My MAY		181	XIIIII	511	11 811	
(10-20-20 or equivalent) Mulch Straw 2 lbs/acre Seed* Kentucky 31 Fescue 45 lbs/acre Birdsfoot Trefoil 10 lbs/acre Domestic Ryegrass 5 lbs/acre *Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount. Attach or photocopy section of involved Topographic map. Quadrangle CASSITY 7.51 Legend: Well Site Access Road	or correct to pH 6.5 ertilizer 600 Ibs/acre Fertilizer 600 Ibs/acre (10-20-20 or equivalent)	////	1		1 101	1 / / / / B	570	11/2/11/11	The same

WELL SITE PLAN

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

School of Earthon

Structure Drainage Ditch

School of Earthon

Treatment and shocked and scool of the Earthon

School of Earthon

Treatment and shocked and scool of the Earthon

School of Earthon

Treatment and shocked and scool of the Earthon

School of Earthon

Treatment and shocked and scool of Earthon

School of Earthon

Treatment and shocked and scool of Earthon

Treatment and shoc

COMMENTS: Slope of access road 10%-- 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 -- Reclamation to be performed by Halls Reclamation, Inc.

Signature: Roccald Callon P. O. Box 1740, Clarksburg, W. Va. 623-6671

Agent Address Phase Number 2024

Please request landowners cooperation to protect new seeding for one growing season.



105 SOUTH MERIDIAN STREET, INDIANAPOLIS, INDIANA 46225 • [317] 266-2626

May 1, 1981

Chief Petroleum Engineer
Department of Mines
Oil & Gas Division
1615 Washington Street, East
Charleston, West Virginia 25311

Dear Sir:

Enclosed is a copy of AMAX Coal Company's letter of approval to the respective oil company, for their representative's signature. When you receive the signed version of the letter, that will automatically give AMAX's permission for issuing the permit. The signed copy represents agreement by the oil operator that they agree to AMAX's stipulations for drilling and completing the wells.

Cordially,

James W. Faber, Manager Development Geology

JWF/mdt

Enclosures

DEPT. OF MINES

Lot Syned

MAY - 6 1981

AMAX COAL COMPANY

105 SOUTH MERIDIAN STREET, INDIANAPOLIS, INDIANA 46225 . [317] 266-2626

May 1, 1981



OIL & GAS DIVISION
DEPT. OF MINES

Department of Mines Oil and Gas Division 1615 Washington Street, East Charleston, West Virginia 25311

Re: Allegheny Land and Mineral Company No. A983 McMullan Middle Fork District Randolph County, West Virginia

Dear Sirs:

The AMAX Coal Company has received notification that a permit application is being filed to drill the above-mentioned well. The AMAX Coal Company will offer no objection to the drilling of this proposed well provided the applicant intends to drill the proposed well subject to the following conditions:

- All drilling and casing of the well shall be done in compliance with the laws and regulations of the State of West Virginia for wells drilled through workable coal beds.
- 2. All workable coal seams regardless of depth shall be plugged in accordance with the rules and regulations of the State of West Virginia, specifically as outlined in Article 4, Chapter 22 of the West Virginia Code.
- 3. Allegheny Land & Mineral Company will provide AMAX with a density and natural gamma ray log at a 5"=100' scale covering the interval from total depth to ground surface. In addition, one copy of any other geophysical log shall be sent to AMAX. However, AMAX Coal Company retains the option to run their own logs or have this service contracted out. Please contact Mr. David Darko (317/266-2633) for questions on this procedure.

Department of Mines Page Two May 1, 1981

4. Copies of the completion report, OG-10, and plugging affidavit, OG-8, if applicable, shall be sent to AMAX Coal Company, Attention: James W. Faber.

Sincerely,

James W. Faber, Manager
Development Geology

JWF/mdt

Enclosures

cc; Allegheny Land and Mineral Company David A. Darko

The above stipulations are agreed to as a condition for obtaining a drilling permit.

Representative of Allegheny Land and Mineral Co. (Date)

			47-6
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water *Remarks
and & Shale	3263	3312	
and & Shale	3312	3440	
iley	3440	3470	
and & Shale	3470	3640	
enson	3640	3700	
and & Shale	3700	4630	
Ik sand	4630	4640	Nuedremmile Cassity-7.5
and & Shale	4640	5163 T.D.	
not 2bool match			Permit No. 17-083-04:M
la sopa i			
20			
all was Encodered lune 20, 1001 by	Halli bumtan		
Perforations: 1415' - 1428' 16			
1570' - 1590' 16	The same of the sa		Company Affordiony Land & Mineral Co.
1793' - 1805' 16			Andress P. C. Box 1740, Startsburg,
5	izo		Farm, McMullan
	0-16		Location (water) iddle Fork River
0 05	2/2 11.175		
	1101-0		The surface is owned in fee by dest
	8\		The second of th
7691 - 7091 W/223 sks.16's	8/		Address 263 Randolph, Likins, W. Va
		Lista osti Lui	
	1/2	1 Ottonio	Address P.O.Box 6, Wash
2011.36 2011.36 W/250 sks. 11	1/2		Erilling Commanced June 18, 1981
lug Back			Lrilling Completed June 27, 1981
		.cldd	Initial open flow 43, cu.ft.
Total depth - 5163'	bhed amari.		First production 1237M cu.ft.pcr
6% Gel 5163' - 4600'			Wall open 2 hrs bet no test
Cement 4600' - 4500'			
5% Gel 4500! - 3450! on mitmuss to			Well treatment details:
Cement 3450' - 3350' 04\0\ \000			(the Sand treated w/200 gal 15g HGL)
5% Gel 3350' - 2200' Cement 2200' - 2100'	00 alud d	Total fluid 7	Sin and troated w/501 gal 15° sub
5% Gel 2100' - 2020'			
06 Get 2100 - 2020			
1/2" casing set at 2020'			
and cemented.	+	6,265-269 En	\$=873 50=00 to boardaycoon on 1000
election	1	Feet	Coal was encountered at 90-03,233-21 Fresh water 79*
e1 qaG		1001	
			Producing Sons, 411, 5th and Cant
			Na.

. Din, Cas or Waler - Armerka	teed motion	Feet Feet	Formation Cotor Hard or Soft
1/24 550 2 704	7		Clay
60s UK. 6 12511 no s ve			1,000
TODOS, 35 11211 n. n. n. n.			Iso0
n on 48231 St, 930 A	1000		San
19608, 12 128 7 1 1 1 1 1	225	233	1500
Engle # 22011 St, 9000F	265	236	Sand & Shalo
" - " " 32511 C. 800CL - " - "	17002	33.7	I soul
9 5 1 3571 1 000F	263	505	end & Shale
7300°, 1. 1882 " " " " " " " " " " " " " " " " " "		8.82	oni. J
30000 1 19000 m m	915	¥30.	
	1008	-210	
100 H 4030 45,000F	1060	8901-	
n n 4821 54,7550F	67.01	1060	03/15/2024
1082 \ 20 \ / 2002 \ 20 \ / 2002	1756	1070	
		1736	the Sound

Vice President Oil & Gas Productions

OG-10 9-71

L. Lime

B. Lime

B. Injun

4th Sand

Sand & Shale

Sand & Shale

Sand & Shale

Sand & Shale

5th Sand

Speech ley Shale

Sand & Shale



JUL 1 0 1981

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL & GAS DIVISION DEPT. OF MINES

OIL and GAS DIVISION WELL RECORD

	3.700	ILLOOM			
		BUTE		Ro	otary XX OII
0		4630			able Gas XX
Quadrangle Cassity 7.5'	Jis Talla	0104			ecycling Comb.
Parmit No. 47-093-0466					terFlood Storage
Permit No. 47-083-0466					sposal
					(Kind)
					(Killid)
		The real Hotel	पा किया ह	es enus be	Well was ractur
Company Allegheny Land & Mineral Co.		Casing and	Used in	Left	Cement fill up
Address P. O. Box 1740, Clarksburg,		Tubing	Drilling	in Well	Cu. ft. (Sks.)
	cres 185.5	e lori i	18081 -	1.793.1	
Location (water) Middle Fork River	and the second s	Size			
	ev. 2456'	20-16			
District Middle Fork County		Cond.11 3/4	20	0	
The surface is owned in fee by Westv		13-10"			
		9 5/8			
Address 203 Randolph, Elkins, W. Va.	26201	8 5/8	7691	7691	w/220 sks. to surface
Mineral rights are owned by Harry Mc		7			
Address P.O.Box 8, Wash		5 1/2			
Drilling Commenced June 18, 1981		4 1/2	2011.36	2011.36	w/250 sks. 1100'
Drilling Completed June 23, 1981		3			Plug Back
Initial open flow 43,900 cu.ft.	bbls	2			
Final production 1237M cu.ft.per d				153	[€ - ditgel lete]
Well open 2 hrs before test			100	1006	64 Cel 51631 - 4
				rettle	Sement 4000 - 4
Well treatment details:		Attach copy	of cementi	ng record	Σ - 1002 λ 1uc 7a
4th Sand treated w/500 gal 15% HCL	Total fluid	650 bbls 60,	000# 20/40	550"	Cement 34501 - 3
5th Sand treated w/500 gal 15% HCL					6% Gel 33301 - 2
				*001	Coment 22001 - 2
				1020	65 5e1 2,001 - 2
				10302 40 4	4 1/2" casing se
Coal was encountered at 90-93,233-23	6,265-269	Feet		Inche	
Fresh water 79'	Feet		Sa	alt water_	Fee
Producing Sand 4th, 5th and Gantz				Dep th	
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas	or Water	*Remarks
Clay	0	7	1/2" H ₂ 0		
Sand	7	90		1261' no	
Coal	90	93		1731' 58	
Sand & Shale	93	233	1	1825' 58	
Coal	233	236		1982 51	
Sand & Shale	236	265		2201' 58	
Coal	265	269		3231' 58	
RR, Sand & Shale	269	852	1	3357' 51	
1 lime	852	884	11 11	" 3482 1 51	,900CF

852

884

916

1068

1060

1079

1736

1758

1771

1815

1960

1974

884

916

1068

1060

1079

1736

1758

1771

1815

1960

1974

3263

11

" " 3698' 51,900CF

" " 3821' 43,900CF

" " 4632' 43,900CF

" " 4821' 38,755CF

" " 5100' 48,000CF

" " 5163' 43,900CF T.D.

" " 5008' 38,755CF 03/15/2024

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION

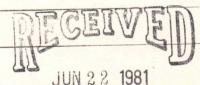
INSPECTOR'S WELL REPORT

Permis No. 083-046	6		Oil or C	ia; Well GA	5
AlleG Hen	y Land & Min	CABING AND USED IN TUBING DRILLING	Leftin	PACKERS	5
Address C/APKS		Size			e in the second of
FarmHARRY M		16	The state of the s	Kind of Packer	
Well No A-983		13		The day rabus	
	RK County RANDOLPH	814		Dep ⁺¹ , set	
Drilling commenced	6-17-81				
Drilling completed	Total depth	3		Perf · p	
Date shot	Depth of shut			Perf bottom.	
In tial open flow	/10ths Water inInc	h		Post but m	
Open flow after tubing	/10ths Merc. in Inc	h			
Volte	Cu F	t. CASING CEMENTED	SIZE	No FT	Date
Rock pressure	lbshr	s. NAME OF SERVICE COMP	PANY		•
Oil	bbls., 1st 21 h:	s. COAL WAS ENCOUNTERE	D AT	FEET	_INCHES
Fresh water	feetfe	etFEETINC	CHES	_FEET	_INCHES
Salt water	feetfe	ctFEETINC	HES	_FEFT	_INCHES
-					

Drillers' Names UNION Ri6 - 9

Remarks:

Move RiG SPUD



OIL & GAS DIVISION DEPT. OF MINES

6-17-81 DATE

Rabert Stewart

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

PLUGE USED AND DEPTH PLACED BRIDGES CASING AND TUBING	OMPANY			ADDRESS		
THING Material Used TOTAL STATE OF THE STAT	JMPAN I		DISTRICT		OUNTY	
PLUGE USED AND DEPTH PLACED BRIDGES CASING AND TUDING. CEMENT-THICKNESS WOOD-BIZE LEAD CONSTRUCTION LUCATION RECOVERED SIZE LOT CEMENT-THICKNESS WOOD-BIZE LEAD CONSTRUCTION LUCATION RECOVERED SIZE LOT TITLES NAMES.	RM		DISTRICT	Section of the second section of the section of the second section of the section	6 Cross 1-1977	5/1/15
PLUGE USED AND DEPTH PLACED SRIDGES CASING AND TUBING CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION LUCATION RECOVERED SIZE LOI TILIERS' Names	ling Material Used				SEBURGE	2//
PLUGE 198D AND DEPTH PLACED BRIDGES CEMENT-THICKNESS WOOD-BIZE LEAD CONSTRUCTION LUCATION RECOVERED SIZE LOI TILIERS' Names	Loc	ation	Amount	Packer	Location	
CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION LUCATION RECOVERED SIZE LOS					CASING AND TU	BING
rillers' Names	and the second s	CANTELLOS. DE 10 TOLISMONTOS COMO CONTRACTO DE CONTRACTO	LEAD	CONSTRUCTION LUCATION	RECOVERED SIZE	LOB
rillers' Names	CEMENT-LHIC VIEW DO	Program Printed Christian Innoversion - States and States of States and States Control of States and States an	ada menanda menanda per menuncia de menunc	SECURIO DE CAMBRILLO CINTERO CAMBRILLO COMO DE LA CAMBRILLO CONTROL DE CAMBRILLO COMO DE CAMBRILLO COM		
rillers' Names						
rillers' Names	Jahra Alle de de centra discultante del Colores persones e sus giffigigi (b). For the difference in Special Colores (b) and the colores of th				A Comment of the same	
rillers' Names	. Алекса Римания паравой (1996 г. г.) — 13 годи Поторий церинари макединари пере наференција	And the state of t	Jonason	- the street of the street, and the street, an	1	
rillers' Names				A Company of the Comp		
rillers' Names	a na communicación (Colombia Agranaca de propertica de construir de co					
rillers' Names						
rillers' Names						
rillers' Names		-				
rillers' Names	A second		•	-		
rillers' Names				And the state of t		
rillers' Names						
rillers' Names			•			
	Control of the Contro					
						1
	And a cold from the substantial and agricultural for the substantial for the substanti		and the state of t			
Cemarka:	rillers' Names					
Remarks:						
	Remarks:					

03/15/2024

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

Permit No. 083-0466			Oil or	Gas Well OAS
Company Alle 6 Hery LAND & Min	CASING AND TUBING	USED IN DRILLING	LE T IN	PACKERS
Address CIARKS BURG	Size			
Farm AARRY Mc Muller	16	,	Y	Kind of Packer
Well No. A-983	10			Size of
District MIDDLE FORK County RANDOIPH	81/4		33,300	Size of
Drilling commenced 6-8/	6%			Depth set
Drilling completedTotal depth	5 3/16	211	THE ROLL OF	
	3		<u> </u>	Perf. top
Date shotDepth of shot	Liners Used			Perf. top
Initial open flow/10ths Water inInch	2	. 1	A special control	Perf. bottom
Open flow after tubing/10ths Merc. inInch				
Volu.neCu. Ft.				No. FTDate
Rock pressure lbs hrs.	NAME OF SER	VICE COMPA	ANY	
Dilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHES
Fresh waterfeetfeet	FEET.	INC	HES	FEETINCHES
Salt water feet feet	FEET	INCI	HES	FEETINCHES
Drillers' Names			este, la proba, per para	
		J.	IECE	IVED
Remarks:			Dees 2	
DIK. 10 KeleHS			OIL AND G	AS DIVISION ENT OF MINES

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

OMPANY			ADDRESS			
ARM		DISTRICT.	CO	UNTY		
and a mile to the composition is a series and appropriate physical action in a quive com-						
lling Material Used	MPC districts media in religion dissentes proper author montena grunn publicos mens impropri	SACS COM BY PROVIDED BY PARTY REPORTS AND THE PROPERTY OF THE				
ner Lo	eation	Amount	Packer	Location	A A L	
PLUGS USED	AND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOS
			and the second			
					west All Control	
					. ,	Book .
				and the second second		
						end es
	70.000	2000000	<u> </u>			
		7 7 7 8 4				
llers' Names						Organie II.
	Carried Control			Control of the Art Allen Street	TOTAL VIEW CONTRACTOR	
marks:	নিল্লাল				*******	
OBV	MECE					
S DIVISION	OL AND GA					
DATE	I hereby certify I v	risited the abov	e well on this date.			
					03/15/2	024

DISTRICT WELL INSPECTOR



State of Mest Virginia

Department of Mines Gil and Gas Division Charleston 25305

WALTER N. MILLER DIRECTOR

January 25, 1982

Allegheny Land & Mineral Company P. O. Box 1740 Clarksburg, West Virginia 26301

Dear Sir:

The required records and reports have been received in this office and the District Inspectors have submitted Final Inspections for the following wells listed below:

PERMIT NO.	FARM AND WELL NO.	DISTRICT
RAN-0381	Neva McMullan #A-925	Middle Fork
RAN-0403	L. T. & Dorothy Lewis #A-984	Roaring Creek
RAN-0428	Neva McMullan et al #A-1000	Middle Fork
RAN-0440	Harry McMullan, III #A-1017	Middle Fork
RAN-0458	Harry McMullan/Golf Arnold #A-1019	Middle Fork
RAN-0460	Mike Ross/John Petrice #A-1026	Roaring Creek
RAN-0466	Harry McMullan #0466	Middle Fork

In accordance with Chapter 22, Article 4, Section 2, the bond coverage for above captioned wells will stay in force for life of well. Reclamation requirements have been approved.....

Fred Burdette

FERC-121

	A-983 FERC-121
1.0 API well number: (If not available, leave blank. 14 digits.)	47 -083 - 0466 JUL 20 1981
Type of determination being sought: (Use the codes found on the front of this form.)	103 OIL & GAS DIVISION Category Code OF MINISTER
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	2020 (P-P/A) feet
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Allegheny Land & Mineral Co. 000333 Name P.O. Drawer 1740 Street Clarksburg, W W.Va. 26301 City State Zip Code
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Middle Fack District Field Name County W.Va. State
(b) For OCS wells: (c) Name and identification number	N/A Area Name Block Number Date of Lease: Mo. Day Yr. OCS Lease Number
of this well: (35 letters and digits maximum.) (d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters	A - 983
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Columbia Gas Transmission Corp. 004030 Name Buyer Code
(b) Date of the contract:	Mo. Day Yr.
(c) Estimated annual production:	Not in line! MMcf.
	(a) Base Price (b) Tax (c) All Other Prices [Indicate (+) or (-).] (d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	2.476 0.247 0.247 2.970
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.476 0.247 0.247 2.970
Agency Use Only Date Received by Juris. Agency JUL 201981 Date Received by FERC	Daniel L. Wheeler Vice-Pres.Land Dept. Name Title Signature
	7-/7-8/ 304-623-6671 Date Application is Completed Phone Number

-37.4

4200

FT7900206/2-2

Phone Number

	AUG 24-1981	BUYER-SELLER CO
	OPERATOR: Allegheny Land + Mineral Co.	000333
	T PURCHASER: Columbia Gas Trans Corp.	
OTHE		004030
W. \	Va. Department of Mines, Oil & Gas Division	intertain
Usa	Above File Number on all Communications Relating to Determination of this Well NELL DETERMINATION FILE NUMBER Left med for 347 256 Left med for 347 256	33°y
	CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING	
ITEM 1	FERC -121 Items not completed - Line No	
	IV-1 Agent James B. Gehr	
	IV-2 Well Permit /	
	IV-6 Well Plat	
	IV-35 Well Record Drilling Deepening	
	IV-36 Gas-Oil Test: Gas Only Was Oil Produced?	
	IV-39 Annual Production years	
8.	IV-40 90 day Production Days off line:	
	IV-48 Application for certification. Complete?	
10-17.	IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? Aff:	idavit Signed /
	Other: Survey Logs Geological Charts	
	Structure Map 1: 4000 Map Well Tabu	ılations
(5)	Date commenced: 6.18.81 Date completed 6.23-81 Deepens	ed —
(5)	Production Depth: 1415-28, 1576-90, 1793-1805	
(5)	16 46	
(5)	Final Open Flow: 1237MCF	
(5)	After Frac. R. P. 375 * 2 hrs,	
(6)	Other Gas Test:	
(7)	Avg. Daily Gas from Annual Production:	
(8)	Avg. Daily Gas from 90-day ending w/1-120 days	
(8)	Line Pressure: PSI	G from Daily Rep
(5)	Oil Production: From Completion Report	
10-17.	Does lease inventory indicate enhanced recovery being done	
10-17.	Is affidavit signed? Notarized?	3/15/2024
Does of	ficial well record with the Department confirm the submitted information	1? 485

Additional information _____ Does computer program confirm? ____

Was Determination Objected to ______ By Whom? ____

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

Date	7-17 1981
Operator's Well No	A-983
API Well No. 47 State	083 - 0466 County Permit

	State County Permit
WELL CLASSIFICAT:	ON FORM
NEW ONSHORE PRODUCT	MON WELL
MGPA Section 10	03
DES	GIGNATED AGENT Allegheny Land & Mineral Co.
	DRESS P.O. Drawer 1740
	Clarksburg, W. Va. 26301
WELL OPERATOR Allegheny Land & Mineral	ATON Elevation 2456
ADDRESS P.O. Drawer 1740	Latershed Middle, Fall Timer
Clarksburg, W. Va. 26301	iddle fork County Randolph Quad Cassity 7.5
GAS PURCHASER Columbia Gas Transmission	Corpe
1700 MacCorkle Ave S.E. Cor	itract No
01 1 17 17- 2521/	er Chart Code
Onaz z o o o o o o o o o o o o o o o o o o	e or concract
* * * * * * * *	* * * * * * *
Date surface drilling was begun: 6-/8-8	7
Indicate the bottom hole pressure of the well and	explain how this was calculated:
275#	PSIG at the surface.
Rock Pressure was 375#	
AFFIDAVIT	and an analysis to that
	been first sworn according to law state that ination is sought was begun on or after February 19, al well spacing requirements and the well is not
1977 the well satisfies applicable state of reason	for delling boggn which was applicable to the
reservoir from which gas is of will be produced	February 19 1977 and Wilco
was capable of producing gas in conmercial	i and the ship of this determination is sought
the best of my information, knowledge and belief, is a new onshore production well and that I am not application which is inconsistent with this conclusion.	
application which is inconsistent with	al l
	Camino Jehn

President

Allegheny Land & Mineral Co.

STATE OF WEST VIRGINIA.

COUNTY OF Harrison TO WIT:

I, Ethel Marie Crowley Motary Public in and for the state and county aforesaid, do certify that James B. Gehr, whose name is signed to the writing above, bearing date the 17thday of July Given under my hand and official seal this 17th day of July 1981.

My term of office expires on the 20th day of December 1989.

[NOTARIAL SEAL]

Ethel Marie I rowley Ethel Marie Crowley

03/15/2024