

1)	Date:_	April	6	, 19	83
2)	Operat	or's			

Well No. Grow

085 6397 47 3) API Well No. State County Permit

DRILLING CONTRACTOR:

Clint Hurt

STATE OF WEST VIRGINIA

(100 TOWN SERVICE STATE OF SERVICE STATE STATE STATE OF SERVICE STATE	are programme	TANKS 10 Nation 5		OIL	AND G	AS WELL PERMI	T APPLIC	ATION				
WELLTH	PE: A Oil	v	moto ik			(Pigitic anascoli	77000	ESPANARY.		ali mi i Li kev		
WELLIYI												
LOCATIO	N: Eleva	ition:	791.	65		_/ Underground s _ Watershed:	Hughes	Rie	er	Mew	wells 181	High
	Distr	ict: _Gr	ant		41,200	County:	Ritchi	e	Quadrans	gle: Pe	trole	m 7.5
WELL OP	ERATOR_W	aymar	W. E	Buch	anan	1	1) DESIG	NATED	AGENT L	eroy	Hopki	ins]
Address	_444	Petr	oleun	1 Co	mmer	ce Blda.	Add	ress	P. O.	Box	106	
011 0 041		Anto	onio,	Tex	as	78205			Kenna,	WV	25248	3
OIL & GAS	OWNER	Georg	e C.	Gro	w . T	r .	2) COAT	OPERA	TOP N	one		
Address	626	Shad	owlaw	n D	rive		2) COAL Add		IORIN	one	A 7 W 76	10
			d, NJ				Auu	1688	Today and Santa	2 2 4	20 20 GB 21	
Acreage	THE RESERVE AND ADDRESS OF THE PARTY NAMED IN					1	3) COAL	OWNER	(S) WITH DEC	CIARA	TION ON I	PECOPD
SURFACE				Hoo	ver	being			(6) 11111 111			
Address		, Box					Add					A O
			im, Wi	7 2	6161						Berougu	(4
Acreage	Land William Control of the Control						Name	As offe	er wantels	100	Ja 9 192	A CONTRACT
FIELD SAI	LE (IF MAD	E) TO:					Add	ress				
Address	-							State of	THE LEVEL CO. IN CO.			COC
OIL & GAS	INCREOTE	D TO D	Nomi			1			WITH DECLA	RATI	IN ON REA	ORD
	muel N	TO BE	NOTIFIE	D			Name _	45	Block Sole fit	IN	500	U
Address	P. 0	Boy	66			John - V. Ferm	Addı	ess _	TO THE O	111	A MANAGEMENT	747
Address			e, WV			of the ver <del>tice</del>	HEQ 5d CU	Tabacia	ar titl tar some	(a) (a)	APR 1	4 108
PROPOSED					CATALON AND A CONTRACTOR	The second secon		A rat			Carried State of the State of t	± 100.
- NOT OBEE	WORK.	Plug off	old form	orion (	reeper	/ Redrill	Div. In	/ Fract	ure or stimula		and the same of the same of	
		Other ph	vsical char	nge in	well (spe	cify)	iew formati	on			OIL & GA	
GEOLOGIC	CAL TARGE	T FORMA	TION	Dev	oniar	Shale				DE	PT. C	F M
						feet	ye. Hanes	ATLE TO	IN SULL TO JUST	0550	E filmoti	TANK!
17) Estimate 18) Approxi	imate water s	trata dept	hs: Fresh	,	X	150 feet:	salt, 1	165	feet.			
18) Approx	imate water s imate coal se	trata depti am depths	hs: Fresh	,	X	150 feet; Is coal	salt, 1	d in the a	feet. rea? Yes	erose G cas	/ No_	X
18) Approxi	imate water s imate coal se ND TUBINO	trata depti am depths	hs: Fresh  AM  CIFICATION	3-1-4	X	150 feet; Is coal	being mine	d in the a	rea? Yes	(L 08.)	Prop s	(05
18) Approxi	imate water s imate coal se ND TUBINO	trata depti am depths	hs: Fresh	3-1-4	X	150 feet; Is coal	being mine	d in the a	CEMENT FILL	UP	/ No	20)
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE	imate water s imate coal se ND TUBINO	trata depti am depths PROGRA	hs: Fresh  AM  CIFICATION  Weight	,	X None	150 feet; Is coal	B INTERVALS	d in the a	CEMENT FILL OR SACKS (Cubic feet)	-UP	PACK	(05
18) Approxi	imate water s imate coal se ND TUBINO  Size	trata depti am depths PROGRA	hs: Fresh  AM  CIFICATION  Weight	NS New	X None	150 feet; Is coal	being mine	d in the a	CEMENT FILL	-UP	Prop s	(05
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal	imate water s imate coal se ND TUBINO  Size	trata depti am depths PROGRA	hs: Fresh  AM  CIFICATION  Weight	NS New	X None	150 feet; Is coal	B INTERVALS	d in the a	CEMENT FILL OR SACKS (Cubic feet)	-UP	PACK	(05
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal ntermediate	imate water simate coal se  ND TUBINO  Size  9 5/8	trata depti am depths PROGRA	hs: Fresh  AM  CIFICATION  Weight	NS New X	X None	150 feet; Is coal	B INTERVALS	well	CEMENT FILL OR SACKS (Cubic feet)	-UP	PACKI	(05
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production	imate water s imate coal se ND TUBINO  Size	trata depti am depths PROGRA	hs: Fresh  AM  CIFICATION  Weight	NS New X	X None	150 feet; Is coal	E INTERVALS Left in 350	well	CEMENT FILL OR SACKS (Cubic feet) Circ.	-UP	PACKI	ERS
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing	imate water simate coal se  ND TUBINO  Size  9 5/8	trata depti am depths PROGRA	hs: Fresh  AM  CIFICATION  Weight	NS New X	X None	150 feet; Is coal	E INTERVALS Left in 350	well	CEMENT FILL OR SACKS (Cubic feet) Circ.	-UP	PACKI	ERS
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water coal Intermediate Production Tubing	imate water simate coal se  ND TUBINO  Size  9 5/8	trata depti am depths PROGRA	hs: Fresh  AM  CIFICATION  Weight	NS New X	X None	150 feet; Is coal	E INTERVALS Left in 350	well	CEMENT FILL OR SACKS (Cubic feet) Circ.	ks.	PACKI	ERS
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water coal Intermediate Production Tubing	imate water simate coal se  ND TUBINO  Size  9 5/8	trata depti am depths PROGRA	hs: Fresh  AM  CIFICATION  Weight	NS New X	X None	150 feet; Is coal	E INTERVALS Left in 350	well	CEMENT FILL OR SACKS (Cubic feet) Circ.	ks.	PACKI Kinds NE Sizes Depths set PACKI	ERS
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water coal intermediate Production ubing	imate water simate coal se  ND TUBINO  Size  9 5/8	trata depti am depths PROGRA	hs: Fresh  AM  CIFICATION  Weight	NS New X	X None	150 feet; Is coal	E INTERVALS Left in 350	well	CEMENT FILL OR SACKS (Cubic feet) Circ.	ks.	PACKI Kinds NE Sizes Depths set OA Perforations:	ERS  AT  AS  AS  AS  AS  AS  AS  AS  AS  A
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing Iners	imate water simate coal se  ND TUBINO  Size  9 5/8	trata depti am depths PROGRA	hs: Fresh  AM  CIFICATION  Weight	NS New X	X None	150 feet; Is coal	E INTERVALS Left in 350	well	CEMENT FILL OR SACKS (Cubic feet) Circ.	ks.	PACKI Kinds NE Sizes Depths set OA Perforations:	ERS  HT
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing Liners  EXTRACTIO	imate water simate coal se  ND TUBINO  Size  9 5/8  7  4 1/2  ON RIGHTS	am depths PROGRA SPE Grade	hs: Fresh  CIFICATION Weight per ft.	NS New X	X None	150 feet; Is coal	E INTERVALS Left in 350	well	CEMENT FILL OR SACKS (Cubic feet) Circ.	ks.	PACKI Kinds NE Sizes Depths set OA Perforations:	ERS  AT  AS  AS  AS  AS  AS  AS  AS  AS  A
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing Iners  EXTRACTIC Check and pr	imate water simate coal se imate coal se ND TUBINO  Size 9 5/8  7 4 1/2  ON RIGHTS rovide one of ed is the leas	Trata depth am depths PROGRA  SPE Grade  The followe or leases	hs: Fresh  CIFICATION Weight per ft.	NS New X X X	X None	Is coal  FOOTAGE For drilling	E INTERVALS  Left in 350  1365  5100	well O	CEMENT FILL OR SACKS (Cubic feet) Circ.  Circ. 350 s	LSS.	PACKI Kinds NE Sizes  Depths set Or Perforations: Top	ERS  HT
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing Liners  EXTRACTIC Check and pr	mate water simate coal se imate coal se ND TUBINO  Size 9 5/8  7 4 1/2  DN RIGHTS  rovide one of ed is the leas quirement of	Frata depth am depths PROGRASPE Grade	hs: Fresh  CIFICATION Weight per ft.	NS New X X X	X None	Is coal  FOOTAGE For drilling	E INTERVALS  Left in 350  1365  5100	well O	CEMENT FILL OR SACKS (Cubic feet) Circ.  Circ. 350 s	LSS.	PACKI Kinds NE Sizes  Depths set Or Perforations: Top	ERS  HT
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing Iners  EXTRACTIC Check and pr X Include The rece ROYALTY P	mate water simate coal se imate coal se imate coal se ND TUBINO Size 9 5/8 7 4 1/2 DN RIGHTS rovide one of ed is the leas quirement of PROVISION	Frata depth am depths in PROGRA SPE Grade  The following or leases Code 22-5	wing: s or other of 4-1-(c) (1)	NS New X X X X Continu	Wone  Used  Used  ting control (4). (5)	Is coal  FOOTAGE For drilling  ract or contracts be see reverse side for	Left in 350 1365 5100 y which I have specifics.)	well ) old the a	CEMENT FILL OR SACKS (Cubic feet) Circ. 350 s	ks.	PACKI Kinds NE Sizes  Depths set On Perforations: Top	ERS  AT  Bottom
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing Iners  EXTRACTIC Check and pr X Include The rec ROYALTY P Is the right to	mate water simate coal se imate coal se imate coal se ND TUBINO Size 9 5/8 7 4 1/2 ON RIGHTS rovide one of ed is the leas quirement of ROVISION extract, production and section of the coal section of the coa	Fred the follower or leases Code 22-5	wing: or other of 4-1-(c) (1)	NS New X X X X X Continu	Wone  Used  Used  Ling control (4). (5)	Is coal  FOOTAGE For drilling  ract or contracts become a lease or other	Left in 350  1369 5100  y which I has specifics.)	well ) old the r	CEMENT FILL OR SACKS (Cubic feet) Circ. 350 s	ks.	PACKI Kinds NE Sizes  Depths set On Perforations: Top	ERS  Bottom
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing Iners  EXTRACTIC Check and pr X Include The rec ROYALTY P Is the right to similar provis	mate water simate coal se imate coal se imate coal se ND TUBINO Size 9 5/8 7 4 1/2 DN RIGHTS rovide one of ed is the leas quirement of PROVISIONS extract, proof ion for com	Fred the follower or leases Code 22-Siduce or mappensation	wing: or other of 4-1-(c) (1)	NS New X X X X X Continu	Wone  Used  Used  Ling control (4). (5)	Is coal  FOOTAGE For drilling	Left in 350  1369 5100  y which I has specifics.)	well ) old the r	CEMENT FILL OR SACKS (Cubic feet) Circ. 350 s	ks.	PACKI Kinds NE Sizes  Depths set On Perforations: Top	ERS  Bottom
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing Iners  EXTRACTIC Check and pr X Include The rec ROYALTY P Is the right to similar provis produced or me e answer above	mate water simate coal se imate coal se imate coal se ND TUBINO Size 9 5/8 7 4 1/2 DN RIGHTS rovide one of ed is the leas quirement of PROVISIONS extract, proof ion for commarketed? The is No, not the interval of the image.	The follower or leases Code 22-Since or mappensation	wing: or other of 4-1-(c) (1)	NS New X X X X X X X X X X X X X X X X X X X	Wone  Used  Used  using control (4). (5)  based up the oil o	FOOTAGE FOOTAGE For drilling  ract or contracts be see reverse side for pon a lease or other r gas in place which	being mined  EINTERVALS  Left in  350  1365  5100  y which I has specifics.)	well O old the r contract herently	cement fill or sacks (Cubic feet) Circ.  Circ. 350 s	ks.	PACKI Kinds NE Sizes  Depths set On Perforations: Top	ERS  AT  Bottom
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Froduction Tubing Iners  EXTRACTIC Check and pr Include The rec ROYALTY P Is the right to similar provis produced or in e answer abov Required Cop	mate water simate coal se imate coal se imate coal se ND TUBINO Size 9 5/8 7 4 1/2 DN RIGHTS rovide one of ed is the leas quirement of ROVISION extract, procion for commarketed? The is No, not bies (See reversions of the coal section for commarket ed? The image is no, not bies (See reversions of the coal sections of the co	The follower or leases Code 22-Sing additions additions additions additions and the follower of the follower or leases Code 22-Sing additions additionally add	wing: or other of 4-1-(c) (1) rket the oit to the own No X ional is ne	NS New X X X X X X X X X X X X X X X X X X X	None  Used  Ling control (4). (5) based up the oil o	FOOTAGE FOOTAGE For drilling  ract or contracts become reverse side for pon a lease or other representations of the results of	being mined  EINTERVALS  Left in  350  1365  5100  y which I has specifics.)  continuing the is not inhall ay use Affice	well  O  old the r  contract herently r  davit For	cement fill or sacks (Cubic feet) Circ.  Circ. 350 s  ight to extract or contracts prorelated to the v	ks.	PACKI Kinds NE Sizes  Depths set On Perforations: Top  as. for flat well of oil or gas	Bottom royalty or so extract
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Froduction Tubing Iners  EXTRACTIC Check and pr Include The rec ROYALTY P Is the right to similar provis produced or me e answer abov Required Cop Copies of this	mate water simate coal se imate coal se imate coal se ND TUBINO Size 9 5/8 7 4 1/2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Trata depth am depths is PROGRAGE  Grade  The follower or leases Code 22-3 c	wing: or other of 4-1-(c) (1) rket the oid to the own No X ional is ne	New X X X X X X X X X X X X X X X X X X X	None  Used  Used  And the set and the anset and the anset and the anset and the set and th	FOOTAGE For drilling  ract or contracts be see reverse side for pon a lease or other gas in place which swer is Yes, you mealer than the second of the secon	being miner  E INTERVALS  Left in  350  1365  5100  y which I has specifics.)  continuing the is not inlay use Affice	well  O  old the r  contract herently indivit For	cement fill or sacks (Cubic feet) Circ.  Circ. 350 s  ight to extract or contracts prorelated to the v	ks.	PACKI Kinds NE Sizes  Depths set Or Perforations: Top  as. for flat well of oil or gas	Bottom royalty or so extrac
18) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing Iners  EXTRACTIC Check and pr X Include The rec ROYALTY P Is the right to similar provis produced or in e answer abov Required Cop Copies of this lamed coal op	Size  9 5/8  7  4 1/2  DN RIGHTS rovide one of ed is the leas quirement of ROVISION extract, procion for commarketed? The is No, not bies (See reverse Permit Applement, coal	The follower or leases Code 22-Sing addition anowner(s),	wing: or other of 4-1-(c) (1) rket the oid to the own No X ional is ne	New X X X X X X X X X X X X X X X X X X X	Wone  Used  Used  Ling control (4). (5)  S based up the oil of the anset and reference to the control (4).	FOOTAGE FOOTAGE For drilling  ract or contracts be see reverse side for pon a lease or other r gas in place which	being miner  E INTERVALS  Left in  350  1365  5100  y which I has specifics.)  continuing the is not inlay use Affice	well  O  old the r  contract herently indivit For	cement fill or sacks (Cubic feet) Circ.  Circ. 350 s  ight to extract or contracts prorelated to the v	ks.	PACKI Kinds NE Sizes  Depths set Or Perforations: Top  as. for flat well of oil or gas	Bottom royalty or so extrac
CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing Iners  EXTRACTIO Check and pr Include The recent of the company of	mate water simate coal se imate coal se imate coal se ND TUBINO Size 9 5/8 7 4 1/2 DN RIGHTS rovide one of ed is the leas quirement of PROVISIONS extract, procion for commarketed? The is No, not bies (See reverse Permit Applement of Provide one of the coal section for commarketed? The image is not provide one of the coal section for commarketed? The image is not provide one of the coal section for commarketed? The image is not provide one of the coal section for commarketed? The coal section for coal section fo	The follower or leases Code 22-Sing addition anowner(s),	wing: or other of 4-1-(c) (1) rket the oid to the own No X ional is ne	New X X X X X X X X X X X X X X X X X X X	Wone  Used  Used  Ling control (4). (5)  S based up the oil of the anset and reference to the control (4).	FOOTAGE For drilling  ract or contracts be see reverse side for pon a lease or other gas in place which swer is Yes, you mealer than the second of the secon	being mined  E INTERVALS  Left in  350  136!  5100  y which I has specifics.)  continuing the is not inlead use Affice  we been mailing or designed to the specific of the spe	well  old in the a  well  old  contract herently in  davit For  led by re- elivery o	cement fill or sacks (Cubic feet) Circ. Circ. 350 s  ight to extract or contracts proceed to the vertical or this Permit A	ks.	PACKI Kinds NE Sizes  Depths set Or Perforations: Top  as. for flat well of oil or gas	Bottom royalty or so extrac
18) Approxi 19) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing Iners  EXTRACTIC Check and pr Include The rec ROYALTY Is the right to similar provis produced or n e answer abov Required Cop Copies of this lamed coal op Mines at Charl lotary:	DN RIGHTS Tovide one of eed is the least quirement on extract, prominer for commarketed? The is No, not one is (See reverse) reverse permit Apple erator, coal eleston, West	The follower or leases Code 22-Sing addition anowner(s),	wing: or other of 4-1-(c) (1) rket the oid to the own No X ional is ne	New X X X X X X X X X X X X X X X X X X X	Wone  Used  Used  Ling control (4). (5)  S based up the oil of the anset and reference to the control (4).	FOOTAGE For drilling  ract or contracts be see reverse side for pon a lease or other gas in place which swer is Yes, you mealer than the second of the secon	being miner  E INTERVALS  Left in  350  1365  5100  y which I has specifics.)  continuing the is not inleading or decrease and the specific specifi	well  order  oold the r  contract herently flavit For	cement fill or sacks (Cubic feet) Circ.  Circ. 350 s  ight to extract or contracts prorelated to the v m IV-60.	ks.	PACKI Kinds NE Sizes  Depths set Or Perforations: Top  as. for flat well of oil or gas	Bottom royalty or so extrac
18) Approxi 19) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing Iners  EXTRACTIC Check and pr Include The rec ROYALTY Is the right to similar provis produced or n e answer abov Required Cop Copies of this lamed coal op fines at Charl otary:	DN RIGHTS Tovide one of eed is the least quirement on extract, prominer for commarketed? The is No, not one is (See reverse) reverse permit Apple erator, coal eleston, West	The follower or leases Code 22-Sing addition anowner(s),	wing: or other of 4-1-(c) (1) rket the oid to the own No X ional is ne	New X X X X X X X X X X X X X X X X X X X	Wone  Used  Used  Ling control (4). (5)  S based up the oil of the anset and reference to the control (4).	FOOTAGE For drilling  ract or contracts be see reverse side for pon a lease or other gas in place which swer is Yes, you mealer than the second of the secon	being miner  E INTERVALS  Left in  350  1365  5100  y which I has specifics.)  continuing the is not inleading or decrease and the specific specifi	well  order  oold the r  contract herently flavit For	cement fill or sacks (Cubic feet) Circ. Circ. 350 s  ight to extract or contracts proceed to the vertical or this Permit A	ks.	PACKI Kinds NE Sizes  Depths set Or Perforations: Top  as. for flat well of oil or gas	Bottom royalty or so extrac
18) Approxi 19) Approxi 19) Approxi CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing Iners  EXTRACTIC Check and pr Include The rec ROYALTY Is the right to similar provis produced or n e answer abov Required Cop Copies of this lamed coal op Mines at Charl lotary:	DN RIGHTS Tovide one of eed is the least quirement on extract, prominer for commarketed? The is No, not one is (See reverse) reverse permit Apple erator, coal eleston, West	The follower or leases Code 22-Sing addition anowner(s),	wing: or other of 4-1-(c) (1) rket the oid to the own No X ional is ne	New X X X X X X X X X X X X X X X X X X X	Used  Used  Used  using control (4). (5) based up the oil of the ansat and remove the order of the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the ansat and remove the control (5) based up the oil of the control (5) based up the control (5	FOOTAGE FOOTAGE For drilling  ract or contracts be see reverse side for pon a lease or other gas in place which swer is Yes, you much clamation plan have the day of the response to the contract of the response to the respo	being miner  Intervals  Left in  350  1365  5100  y which I has specifics.)  continuing the is not inleading or decrease and intervals are specificated.  Signed:  Its: D	well  order  oold the r  contract herently flavit For	cement fill or sacks (Cubic feet) Circ.  Circ. 350 s  ight to extract or contracts prorelated to the v m IV-60.	ks.	PACKI Kinds NE Sizes  Depths set Or Perforations: Top  as. for flat well of oil or gas	Bottom royalty or so extrac
CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing Include The recent of th	Size  D TUBINO  Size  D 5/8  7  4 1/2  DN RIGHTS  Ovide one of ed is the leas quirement of extract, procion for commarketed?  re is No, not ones (See reverse Permit Applerator, coal leston, West	The follower or leases Code 22-S duce or mapensation Yes 1 hing addition and owner(s), Virginia.	wing: or other of 4-1-(c) (1) rket the oid to the own No X ional is ne	New X X X X X X X X X X X X X X X X X X X	Used Used Used Used Of the ansat and ren or before	FOOTAGE FOOTAG	being mined  E INTERVALS  Left in  350  136!  5100  y which I has specifics.)  continuing the is not inlaw use Affication and u	well  order  oold the r  contract herently flavit For	cement fill or sacks (Cubic feet) Circ.  Circ. 350 s  ight to extract or contracts prorelated to the v m IV-60.	ks.	PACKI Kinds NE Sizes  Depths set Or Perforations: Top  as. for flat well of oil or gas	Bottom royalty or so extrac
CASING AN CASING OR TUBING TYPE Conductor Fresh water Coal Intermediate Production Tubing Iners  EXTRACTIC Check and pr Include The recent of the recent of the product of the company of the company of the product of the company of the product of the company of the product of the product of the company of the product of the company of the product of	DN RIGHTS Tovide one of eed is the least quirement on extract, prominer for commarketed? The is No, not one is (See reverse) reverse permit Apple erator, coal eleston, West	The follower or leases Code 22-S duce or mapensation Yes 1 hing addition and owner(s), Virginia.	wing: or other of 4-1-(c) (1) rket the oid to the own No X ional is ne	New X X X X X X X X X X X X X X X X X X X	Used Used Used Used Of the ansat and ren or before	FOOTAGE FOOTAGE For drilling  ract or contracts be see reverse side for pon a lease or other gas in place which swer is Yes, you much clamation plan have the day of the response to the contract of the response to the respo	being mined  E INTERVALS  Left in  350  136!  5100  y which I has specifics.)  continuing the is not inlaw use Affication and u	well  order  oold the r  contract herently flavit For	cement fill or sacks (Cubic feet) Circ.  Circ. 350 s  ight to extract or contracts prorelated to the v m IV-60.  gistered mail or f this Permit A nated Ac	bil or ga	PACKI Kinds NE Sizes  Depths set Or Perforations: Top  as. for flat well of oil or gas	Bottom  royalty or so extracto the aborepartment

Th

quirements subject to the conditions contained herein and on the reverse hereof Notification must be given to the District Oil and Gas Inspector.

(Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

proper district oil	and gas inspector	24 hours before a	ctual permitted	d work has commenced.)
Permit expires	December	20, 1983		unless drilling is commenced prior to that date and prosecuted with due diligence.
Bond:	Agents	Dlate	0 .	amoss at ming is commenced prior to that date and prosecuted with due diligence.

### Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
  - "Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less then six thousand feet, whatever is shallower.
  - 5) Where well is located
  - 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
  - 7) Use separate sheet if necessary
  - 8) Present surface owner at time application is filed.
  - 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
  - Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
  - 16) Anticipated formation for which well will be completed
  - 17) Self explanatory
  - 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
  - 19) All coal seam depths
  - 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
  - 21) Code 22-4-11(c) In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
    - (1) A brief description of the tract of land including the district and county wherein the tract is located;
    - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
    - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
    - (4)A brief description of the royalty provisions of each such lease or contract.
  - 22) Code 22-4-11(d) and 22-4-11(e).

19

Date:

- Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
- 24) The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAL A MALADAR

	WAIVER	
The undersigned coal operator	no objection to the work prope	/of the coal under this 04/26/2024 ex- rea of the well location, the well location has been osed to be done at this location, provided, the well ia Code and the governing regulations.
accounter of that the band prosecuted with the difference	unless drilling is comme	Permit expire 2000 cultivaries 200 cultivaries

By

Its

22000	MO	20	7082
JAIL	Nov.	29,	1982

WELL NO. Grow No.

### State of Mest Mirginia API NO. 47 - 085 - 6397

Bepartment of Mines Gil and Gas Bivision

### CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Wayman Buchanan		ESIGNATED AC	ENT Jim P.	Morris
Address San Antonio, Texas		Address	Charleston,	WV
Telephone 512-223-3897		Telephone	345-6631	
LANDOWNER K. HOOV.	ER	SOIL CONS.	DISTRICT Li	ttle Kanawha
Revegetation to be carried out by				(Agent)
This plan has been reviewed by	Little	Kanawha	SCD: \$1.1-	corrections
and additions become a part of this p		11-29-8		COLLECTIONS
-		(Date)	0	
	Jas	(SCD Agen	won	
		(SCD Agen	<b>C)</b>	
ACCESS ROAD		And the second of the second o	LOCATION	
Structure Drainage Ditch	(A)	Structure_	Diversion	Ditch (1)
Spacing .	•	Material_	Eart <u>hen</u>	
Page Ref. Manual 2:12	_	Page Ref. 1	Manual 2:12	
Structure Culvert	-			
	_ (B)	Structure_		(2
Spacing 12" Min-30" Max I. D.	•	Material_	Straw	
Page Ref. Manual 2:7 & 2:8		Page Ref. N	Anual DiFoC	EUVEN
Structure Cross DRAINS	(C)	Structure	117	· 1002 (3
Spacing 135' - 400'		Material	APR	1 4 1983
Page Ref. Manual 2:1 & Z:4		-	enual DEBT.	GAS DIVISION
All structures should be inspected commercial timber is to be cut and cut and removed from the site before	stackea and e dirt work	begins.	d if necessary nd small timbe:	. All r to be
	REVEGETATIO	N		
Lime 3 Tons/am		T.	reatment Area	<u> </u>
or correct to pH 6-5	re	Lime or correct	3	Tons/acre
Fertilizer1,000 lbs 10-10-10 lbs/acre	2		t to pH 6-5	70.775-/-
(10-20-20 or equivalent)		(:	10-20-20 or equ	ivalent)
Mulch Hay 2 Tons/acr		Mulch Hay		2Tons/acre
IDS/acre		Seed* Orchai	rd Grass	40lbs/acre
ms/acre		Alsike	e Clover	·4lbs/acre
*Inoculate all legumes such as wetch		Rye Gi		41bs/acre 4/26/2024
Inoculate with 3X recommended amount.			2.0701	- WOLLDWIL.
	PLAN PREP	ARED BY	Olin Shockey	
NOTES: Please request landowners!		DDRESS	Rt. 1, Box 1	39-B
seedling for one growing season. Attach separate sheets as			Ravenswood, V 304-273-2246	VV 26164
necessary for comments.	PHO	VE NO.		

ATTACH OR PHOTOCOPY SECTION OF LEGEND INVOLVED TOPOGRAPHIC MAP. QUADRANGLE PETROLEUM (7.5') Well Site Access Road NVER Sketch i, roads to be constructed, wellsite, drilling part of ettered to correspond with the first Gnow Diversion Million Property boundary Road = = = = = Spring O-> -x-Existing fence -- X -Wet spot Planned fence -/-Building | Stream \... Drain pipe O Open ditch ------Waterway ← → → = 1. Location is on the end of a large point off of the main ridge top, now in timber, 2 to 5% slope. Size of loc tion 125 X 175. All timber will be cut and stacked according to land owners wishes. - = Access road will have side slopes and cross drains. 1 Reclamation will be done 6 mos. JEILI I after well is completed. 9400' 5 to 8 % SLOPE WOODLAND FOLLOW OLD ACESS RD JEEP TRAIL TO BE IMPROVE 180 16" CULVERT 800' 8 to 10% SLOPE 04/26/2024 8. 1400 4 +06% SLOPE TO CISCO 60 B 16" CLUERT ROUTE STATE TO RREE PORT

### Oil and Gas Lease

43-43

		53-18
Agreemen	ent Made and entered into the 15th September A.D., 1982 by and between	
George	ge C. Grow, Jr. and George C. Grow, Inc., a New Jersey Corporation	veen
626 Sh	Shadowlawn Dr.	on.
	field, NJ 07090	
parties of the firs	e first part hereinafter called Lessor and Wayman W. Buchanan 444 Potrologo	
WITNESSETH:		second part, hereinafter called Lessee,
covenants and agre	agreements hereinafter contained. Lessor does hereby grant, demys lessor and the paid by Lessee, the receipt of w	which is hereby acknowledged, and of th
specting, drilling, op	ig, operating for and producing oil and one lock-discounting and one lock-discounting for and producing oil and one lock-discounting oil and o	d use for the purpose of (a) exploring, pro
and privileges hereis	hereinafter granted to Lessee. (a) constructing operation and state in Same, yas, and any other substances into the si	ubsurface thereof. (d) exercising all right
pooling or unitizing	izing the same with other lands for such purposes, as bereinsfler more full.	nient for any and all said purposes and (
	ed as follows:	West Virginia, and
All those	Se certain tracts of land days to a contract	
of this oi	oil and gas lease.	o and made a part
	The gas rease.	712 GBUV 511
		100
		1000 4 4 4000
		APR 14 1983
		OIL & GAS DIVISION
		EPT. OF MINES
and bounded substa	ubstantially by lands now or formerly owned as follows:	described to
On the North b		
	On the East by	
On the South by		
ed or claimed by Le	337.75 acres, more or less. In addition to the above described land, any and all strings or parcels of land adjoining or contigu	ous to the above described land and own
Lessee shall be	If be responsible for any damage to growing crops fances and build	
now on said premise	mises without consent of Lessor. Lessor agrees that Lessee may enter upon leased premises, search for and clean out any abanded to have been drilled under the terms of this lease. The same may be properly bluesed and should be added to the same may be properly bluesed and should be added to the same may be properly bluesed and should be added to the same may be properly bluesed and should be added to the same may be properly bluesed and should be added to the same may be properly bluesed and should be added to the same may be properly bluesed and should be added to the same may be properly bluesed and should be added to the same may be properly bluesed and should be added to the same may be properly bluesed and should be added to the same may be properly bluesed and should be added to the same may be properly bluesed and should be added to the same may be properly bluesed and should be added to the same may	rilled within 200 feet of any house or barr
oll. Lessor shall allo	ed to have been drilled under the terms of this lease. The same may be properly plugged and abandoned again or refitted and utilizable was essentially allow Lessee reasonable easements for roadways or pipelines on or across lands herein leased for operations conducted on or	red by Lessee for the production of gas or
2. Lessor hereby w	by warrants and agrees to defend the title to said look and any and a second states are the reason of operations conducted on or	ther lands operated by Lessee.
In part, and if Lessee	ssee does so, it shall be subrogated to such lien with right to enforce same and apply rentals and royalties accruing hereunder to other law, Lessee may withhold taxes with respect to rental, royalty and other navenote here.	her lien upon said land, either in whole or
credit of Lessor.	by an other payments hereunder and remit the amounts withheld	to the applicable taxing authority for the
3. It is agreed that	five that this lease shall remain in force for the term of Man years from the above date, (hereinafter called the primary term), and as long tends. (NAXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
s oll or gas is being	eof, 收入分类的数据分类分类的数据数据数据数据数据数据数据数据数据数据数据数据数据数据数据数据数据数据数据	for or production of oil or gas, or as long
dxdexexexexxxXX	DXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
XXXXXXXXXXXX	MISTON OF THE PROCESS	\$\\\XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Ţĸĸĸĸĸĸĸĸĸĸĸĸĸĸ Œĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸ	LMORA KREKYY KREKYK KREKY KY K	ZYXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
AXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	KXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	<i>\``</i> XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
WANTEN FOR THE KEN	CH MACHO MOMBACA MACHAR DE BRADERA HAVA A MATANA MANAMANTA MANDRA MANAMANA MANDRA HABARAN MANAKAKA MANAMANA MANAMANA MANAMANA MANAMANA MANAMANA	
CONSTRUCTION HOOF	EXX BAXACA BARBARA ACEDO DE DE VALVA MA MARA MARA MA MARA MA	¥ <i>&amp;</i> *& <i>&amp;</i> X±X±X <i>XXXXXXXXXXXXX</i>
6XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	IAMAKKIK KEKIKIN NYARIKAN NYARIKAN KERIKE KEKEKAN KALALALA KERIKAN KORIKEN KARIKA KALAK IAMAKKIKI KEKIKIN NYARIKAN KARIKAN KERIKE KERIKAN KALALAKAN KERIKAN KARIKAN KARIKAN KARIKAN KARIKAN KARIKAN KA	**************************************
A RESSOUND WEST KIND OUT	CARRACIO E E CONTRA RAPERE E E E E E E E E E E E E E E E E E E	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
*************	GXA XXXXX XXXXX XXXX XXXXX XXXXX XXXXX XXXX	KYXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
from the leased prem	es reserved by Lessor, and which shall be paid by L'essee, are: (a) on oil (including but not limited to distillate and condensate) one premises, the same to be delivered at the wells or to the credit of Lessor in the pipeline to which the wells are to be delivered.	e-eighth (1/8) of that produced and
time purchase such re	ach royalty oil paying therefor the current market price and	vided, however Lessee may from time to
casinghead gas and a so sold or used such	and all other gaseous or vaporous substances, produced from said land and sold or used off the leased premises, the market value such market value at the wells in no event to exceed the net proceeds received by Lessee Calculated as a finite service of the leased premises, the market value	to the same gravity: (b) on gas, including
and deduction for a fa	r a fair and reasonable charge for eathering	from which produced making allows
the net proceeds rece	received by Lesses from such cale after and all	lls, the royalty shall be one elaber tame -
which produced, mak	making allowance and deduction of a fair and consents.	lated or allocated back to the walls to-
usted up or down pro	n prospectively or retrospectively when the crise and the criterian and the	is and which amount may be forthered
or the primary term he	im hereof) where there is a gas well on the leased premises or on a unit that includes all or a part of the leased premises, however of and gas is not being sold or used and the well or wells are shut-in for a period of one year and they is a second they are shut-in for a period of one year and they is	designated, capable of producing cases
remises or any portio	portion or stratum thereof sufficient to keep this lease in force the	oll or gas or operations on said leased
paid regardless of the	f the number of shut-in wells and recardless of whether the shut-in royalty an amou	nt (which shall be the same and shall be
neld as a producing pr	delay rental as provided herein, payable annually at the end of twelve months from date such well is shut in and while said royalty in property under the provisions of this lease. The amount of each such payment or tooks may be said to the said royalty in the said royalty in the provisions of this lease.	is so paid or tendered this lease shall be
Paragraph Seven (7) he	(7) hereof, and such payments may be made bounded the primary of tender may be paid by check or draft of Les	ssee in the same manner as provided in
hall have tree of	and all distillations in Lessee's judgment exercised in o	ood faith are uncatief
S. Lessee anges to	se of oil, distillate, condensate, gas, and water from the leased premises for all operations hereunder.	O 4 100 1000 4
1.00	par acre per year. Said delay rental shall be payable each all months.	Lessor a delay rental at the rate of
he lessed premises,	ses, or on acreage pooled therewith as above provided or would be a second to the second to the primary lerm hereof until	til drilling operations are commenced on
pooled therewith as al	as above provided, before the end of the term for which delay rentals have been made to Lessor, the unaccrued portion of said pay oyaitles that may be due Lessor. Drilling operations shall be deemed to be commenced when the discount of the discount of the commenced when the discount of the disc	on the leased premises, or on acreage
other than surveying	oyaitles that may be due Lessor. Drilling operations shall be deemed to be commenced when the first material is placed on the ling or staking the location, is done thereon which is necessary for such operations.	leased premises or when the first more
. Fallure to pay or e	y of error in paying any tental or other nayment due have	
syment, but Lessees	y or error in paying any rental or other payment due hereunder shall not constitue a ground for forfeiture of this lease and shall not a see shall not be considered in default on account thereof until Lessor has first given Lessee written notice of the non payment and ter receipt of such notice to make payment. Payment or tender of receipt of such was a such as a constant.	affect Lessee's obligation to make such
laty (60) days after to	ter receipt of such notice to make payment. Payment or lander of rectal and	Lessee shall have falled for a period of

- within ninety (90) days thereafter or if it be within the primary term, commences or resumes the payment or tender of delay rentals or commences operation for drilling, deepening, plugging back, or reworking on or before the delay rental paying date next ensuing after the expiration of ninety (90) days from date of completion of dry hole or cessation of production. If at any time subsequent to ninety (90) days prior to the beginning of the last year of the primary term and prior to the discovery and production of oil or gas on the leased premises or on acreage pooled therewith, Lessee should drill a dry hole thereon, no delay rental payment or operations are necessary in order to keep the lease in force during the remainder of the primary term. If at the expiration of the primary term, oil or gas is not being produced on the leased premises or on acreage pooled therewith, but Lessee is then engaged in drilling, deepening, plugging back, or reworking operations thereon or shall have completed a dry hole thereon within ninety (90) days prior to the end of the primary term, the lease shall remain in force so long as operations on said well or for drilling, deepening, plugging back, or reworking of any additional well are prosecuted with no cessation of more than ninety (90) consecutive days and, if they result in the production of oll or gas, so long thereafter as oll or gas is produced from the leased premises, or on acreage pooled therewith. Lessee at any time, and from time to time, may surrender this lease as to all or any part or parts of leased premises by tendering an appropriate instrument of surrender to the Lessor or file for regard a release or releases of this lease as to any part or all of said land or of any mineral or horizon thereunder, and thereupon this lease, and the rights and obligations of the parties hereunder, shall terminate as to the part or parts so surrendered. Upon each surrender as to any part or parts of leased premises the rental and all other payments specified above shall be proportionately reduced on an acreage basis and Leasee shall have reasonable easements for then existing pipelines or roadways on the lands surrendered for the purpose of continuing operations on the lands retained. Lessee shall have the right at any time during or after the expiration of this lease to remove all machinery, pipelines, fixtures, buildings, or other structures placed on said premises, including the right to pull and remove all casing. 10. Without impairment of Lessee's rights under the warranty in event of failure of title, it is agreed that if Lessor owns an interest in the oil or gas on, in or under any part of the leased premises less than the entire fee simple estate (whether Lessor's interest is herein specified or not and whether or not this lease purports to cover a whole or a fractional interest), then the royalties and delay rentals to be paid Lessor shall be reduced in the proportion that his interest bears to the whole and undivided fee and in accordance with the nature of the estate of which Lessor is seized. Said Lessee shall not be required in any event to increase the delay rental or the gas or oil royalty payments hereunder by reason of any royalty or interest in said oil or gas that may have been heretofore sold, reserved or conveyed by said Lessor or by his predecessors in title or otherwise, and if the Lessor does not have title to all the oil and gas in the leased premises, there shall be refunded such part of all payments made by the Lessee hereunder as shall be proportionate to the outstanding title, and all payments and royalties thereafter to be made shall be reduced in the same proportion. 11. In case of notice of, or an adverse claim to the premises, affecting all or any part of the delay rentals or royalties, Lessee may withhold payment or delivery of the same until their ownership is determined by compromise, or by final decree of a court of competent jurisdiction, and to this end Lessee may file a petition for interpleader. 12. The rights of either party hereunder may be assigned in whole or in part; but no change or division in ownership of the leased premises, delay rentals or royalties or in the status of any party, however accomplished, shall operate to enlarge the obligations or diminish the rights of Lessee. No change in such ownership or status shall be binding on Lessee until thirty (30) days after Lessee shall have been furnished by U.S. Mall at Lessee's principal place of business with a certified copy of recorded instrument or instruments evidencing same. In the event of assignment hereof in whole or in part, liability for breach of any obligation hereunder shall rest exclusively upon the owner of this lease or of a portion thereof who commits such breach. In the event of the death of any person entitled to any sum hereunder, Lessee may pay or tender the same to the credit of the deceased or the estate of the deceased until such time as Lessee is furnished with proper evidence of the appointment and qualification of an executor or administrator of the estate or if there be none, evidence satisfactory to it as to the heirs or devisees of the deceased and that all debts of the estate have been paid. If at any time two or more parties are entitled to or adversely claim any sum payable hereunder, or any part thereof, Lessee may pay or tender the same either jointly to such parties or separately or to each in accordance with his respective ownership thereof. In event of assignment of this lease as to a segregated portion of the leased premises, the delay rentals and shut-in royalties payable hereunder shall be apportionable as between the several leasehold owners ratably according to the surface area of each, and the failure to pay delay rentals or shut-in royalties on the one segregated portion of the leased premises shall not affect the rights hereunder of the party holding the other
- segregated portion hereunder. If six or more parties become entitled to royalty hereunder, Lessee may withhold payment thereof unless and until furnished with a recordable instrument executed by all such parties designating an agent to receive payment for all.
- The breach by Lessee of any obligation arising hereunder shall not work a forfeiture or termination of this lease not cause a termination or reversion of the estate hereby not be grounds for cancellation hereof in whole or in part. In the event Lessor considers that operations are not at any time being conducted in compliance with this Lease, Lessor shall notify Lessee in writing of the facts relied upon as constituting a breach hereof and Lessee, if in default, shall have 60 days after receipt of such notice in which to commence the compliance with the obligations imposed by virtue of this instrument.
- 14. Lesser shall be entitled, at his sole risk and expense, to 200,000 cubic feet of gas per annum free of cost for use in one domestic dwelling from one producing gas well on said premises, providing that said well has sufficient pressure for such use. Lessor agrees to pay Lessee a fair domestic rate for any gas used in excess thereof. Lessee shall not be held liable for any accident or damage caused by Lessor's said use of gas, nor shall Lessee be liable for any shortage or failure in supply of gas for said domestic use.
- Lessor hereby expressly relinquishes dower and releases and waives all rights under and by virtue of the homestead exemption laws of the state wherein premises are situated insofar as the same in any way may affect the purpose for which this lease is made.
- Should any one or more of the parties named herein as Lessor fail to execute this lease, it shall nevertheless be binding on the party or parties executing the same and additional parties may execute this lease as Lessor, and this lease shall be binding on each party executing the same notwithstanding that such party is not named herein as Lessor; and all of the provisions of this lease shall inure to the benefit of and be binding on the parties hereto and their respective heirs, legal representatives, successors and assigns, and successive successors and assions.

Lessee's obligations under this lease, whether express or implied, shall be subject to all applicable laws, rules, regulations and orders of any governmental authority having Jurisdiction, including restrictions on the drilling and production of wells and the price of oll, gas and other substances covered hereby. When drilling, reworking, production or other operaprevented or delayed by such laws, rules, regulations or orders, or by inability to obtain equipment, services, material, water, electricity, fuel, access or easements, or by fire, flood, war, rebellion, insurrection, riot, strike or labor disputes, or by inability to obtain a satisfactory market for production or failure of purchasers or carriers to take or transport such production, or by other cause not reasonably within Lessee's control, this lease shall not terminate because of such prevention or delay, and, at Lessee's option, the period of such prevention or delay shall be added to the term hereof. 18 through 24, inclusive - See Attachment "A" IN WITNESS WHEREOF, this instrument is executed on the date first above written. This Document Prepared by: GEORGE C. GROW, INC., Fred D. Clark CLARK & THOMPSON, L.C. a New Jersey Corporation Suite 612, Peoples Bldg. ACKNOWLEDGMENT BY Charleston, WV STATE OF NEW JERSEY UNION COUNTY OF CATANZARO BARBARA GEORGE C. GROW JR. oty in the State aforesaid, do hereby certify that\_ ally known to me to be the same person \_\_\_\_whose name 15 subscribed to the foregoing instrument, appeared before me this day in person, and acknowledge sioned, sealed and delivered the said instrument as 4/5 free and voluntary act, for the uses and purposes therein set forth, and desired the same to be recorded a MARCH 7 1986 BARBARA H. CATANZARO NOTARY PUBLIC OF NEW JERSEY My Commission Expires Mar. 7, 1986 ACKNOWLEDGMENT

STATE OF NEW JERSEY H. CATANZARO in the State aforesaid, do hereby certify that GEORGE C. NEW JERSEY CORPORATION personally known to me to be the same person\_\_\_whose name\_15 subscribed to the foregoing Instrument, appeared before me this day signed, sealed and delivered the said instrument as f') 5 free and voluntary act, for the uses and purposes therein set forth, and desired the Given under my hand and \_\_\_\_\_\_ Seal, INIO 2/ST day of SCP STANZARO PROTECTION OF NEW JERSEY. BARBARA PROTECTION OF NEW JERSEY. BARBARA PROTECTION OF NEW JERSEY. BARBARA PROTECTION OF NEW JERSEY.

RECEIVED 18

### ATTACHMENT "A"

OIL & GAS DIVISION
DEPT. OF MINES

- 18. LESSOR hereby excepts and reserves all formations from the surface of the herein leased premises to the top of the Big Lime formation.
- 19. In addition to the one-eighth (1/8) royalty interest reserved by LESSOR in paragraph 5, herein, LESSOR reserves an additional one-thirty second (1/32) royalty interest, so that wherever in paragraph 5, herein, the term "one-eighth, (1/8)" appears, it shall be read as "five-thirty seconds, (5/32)".
- 20. In addition to the royalty interests specified herein, LESSOR shall receive a One-Sixteenth (1/16th) working interest in any well drilled under the terms of this agreement after LESSEE has recouped all drilling and production costs applicable to such well, together with the recoupment by LESSEE of any and all bonus payments paid to LESSOR and all associated acreage costs paid by LESSEE for the total acreage specified herein. Working interest shall be defined as Eighty per cent (80%) of the gross proceeds from any well less One Hundred per cent (100%) of all costs incurred in the drilling and production of said well. The working interest herein provided to LESSOR shall be a net profits interest and LESSOR shall not be required to prepay any costs incurred by said working interest. It is agreed that drilling costs for each well shall be considered recouped when all monies spent for the drilling of such well have been recovered by LESSEE or when LESSEE has recovered Three Hundred Ten Thousand Dollars (\$310,000.00) per well, whichever amount is less. In addition, bonus payments and all associated acreage costs shall be recouped at the rate of Thirty-Six Thousand Five Hundred Dollars (\$36,500.00) per well until all such costs are recouped, making the 04/26/2024 maximum recoupable cost per well prior to LESSOR receiving the aforesaid working interest Three Hundred Forty-Six Thousand Five Hundred Dollars (\$346,500.00).

GEORGE C. GROW, JR.

expressly understood and agreed that recoupable costs herein defined shall not be recouped from or otherwise affect the prompt and timely payment of any and all royalties herein reserved to LESSOR.

- 21. Each well drilled by LESSEE on the subject acreage will hold One Hundred and Twelve (112) acres thereof by production within the meaning of Paragraph 3, herein, and the location of such acreage around each well shall be determined by the LESSEE in his sole discretion.
- LESSEE agrees to commence drilling operations for the first well on the subject acreage within ninety (90) days after the execution hereof. The parties hereto recognize that the acreage which is the subject of this Lease is the same acreage which is the subject of an Assignment between these parties bearing even date herewith, and that the commencement of drilling operations upon any of the properties leased or assigned shall be such as to satisfy any drilling commitment as required in said Assignment or this Lease. In order to hold by production the subject acreage as set forth in paragraph 21 herein, LESSEE agrees thereafter to drill additional wells at the rate of one well per each ninety day period. It is understood and agreed that each ninety day time period shall be cumulative for each well drilled and the drilling of additional wells shall not be required until all ninety day time periods established by previously drilled wells have expired. It is further understood and agreed that the provisions of this paragraph relate only to the manner in which the subject acreage or any part thereof is to be held by production and there is no covenant by LESSEE to drill any specific number of wells nor is there any restriction on the maximum number of wells which LESSEE can drill thereon. If LESSEE does not drill the twenty wells necessary to hold the entire 04/26/2024 premises as a producing property, then LESSEE shall release all acreage which is not held as a producing property. amount of acreage to be released will be determined by

subtracting the number of wells drilled from twenty and multiplying that number by One Hundred and Twelve (112) acres, and the location of such acreage shall be determined by the LESSEE in his sole discretion.

- In addition to any other bonus consideration paid to LESSOR, LESSEE agrees to pay LESSOR Ten Thousand Dollars (\$10,000.00) per well as a bonus payment for the eleventh (11th) through twentieth (20th) wells drilled upon the leased premises. Said payment shall be made at the commencement of drilling operations for the eleventh (11th) through and including the twentieth (20th) well so drilled, provided however, that in the event LESSEE is not satisfied with the state of LESSOR'S title to any of the herein leased premises prior to the drilling of said wells, LESSEE may in its sole discretion reject such acreage by the tendering of a release of said acreage, and LESSEE shall receive a credit of Two Hundred Ten Dollars (\$210.00) per gross acre to be credited against payments due LESSOR for drilling the eleventh (11th) through twentieth (20th) wells as provided herein for a maximum credit of One Hundred Thousand Dollars (\$100,000.00). Any amount of the aforesaid credit shall be applied against the Ten Thousand Dollar (\$10,000.00) bonus payments on a well-by-well basis, commencing with the eleventh (11th) well, and shall not be applied on a prorata basis.
- 24. LESSOR agrees that all monies received by LESSOR under the terms of this Lease shall be applied by LESSOR to discharge in due course all liens of record which affect the subject acreage.

04/26/2024

GEORGE C. GROW, JR.

R
20
D
1
1.
0
M
10R

GRANTEE

# DESCRIPTIVE NAME EXHIBIT B

# ACREAGE

DATE

RECORDING

## 04/26/2024

# BURNING SPRINGS DISTRICT, WIRT COUNTY, WEST VIRGINIA

Louis Roberts, et al.	George C. Grow et al	Rathbone Oil Tract	1,129 by deed	11/30/1938 11/10/1937	DB 90/273 DB 89/350
Louis Roberts, et al.	George C. Grow et al	W.H.H. Wheaton Lot	5	11/30/1938 11/10/1937	DB 90/273 DB 89/350
O. E. Grow	George C. Grow	Thorn & Roberts Tract	9	7/31/1936	DB 86/467
O. E. Grow	George C. Grow	W.H.H. Wheaton Lot	8-3/4	7/31/1936	DB 86/467
Mildred Kirby, et al.	George C. Grow, Inc.	Whitecotton Tract	46-3/4	8/17/1981	DB 162/968
Elizabeth Teeter Phillips	George C. Grow, Inc.	Coplin Tract	50	1/9/1982	DB 163/418
L. E. Shuck	George C. Grow	Wetzel Tract	W	6/5/1951	DB 109/99
L. E. Shuck	George C. Grow	Gracy Tract	ىن ٣/١	6/5/1951	DB 109/99
L. E. Shuck	George C. Grow	W.H.H. Wheaton Lot	15	6/5/1951	DB 109/99
L. E. Shuck	George C. Grow	Wetzel Tract	5	6/5/1951	DB 109/99
L. E. Shuck	George C. Grow	Wetzel Tract	5	6/5/1951	DB 109/99
Louis Roberts, et al.	George C. Grow et al	Wetzel Tract	6	11/30/1938	DB 90/273
Louis Roberts, et al.	George C. Grow et al	Rathbone Lot # 1	7-3/4	11/30/1938	DB 90/273

GEORGE C. GROW, JR.

# CLAY DISTRICT, WIRT COUNTY, WEST VIRGINIA

	H. H. Haynes, et al.	Roberts Oil Company			Roberts Oil Company	Roberts Oil Company	John M. Nelson, et al.	Etta Swisher	Roberts Oil Company	Val D. Bailey, et al.	GRANTOR	
	George C. Grow	George C. Grow	GIVEN F P TO	יסות דייאמס	George C. Grow	George C. Grow	George C. Grow	George C. Grow	George C. Grow	George C. Grow	GRANTEE	CLAY I
TOTAL ACREAGE	Deem Tract	Sharpnack Tract	TIVEOT , WELCHELD COCKET, STOR STOR	CDANT DISTRICT RITCHIE COUNTY WEST VIRGINIA	J. F. Dravo Tract	Rex Lease	Mary Nelson Tract	Swisher Tract	California Tract	Bailey Tract	DESCRIPTIVE NAME	CLAY DISTRICT, WIRT COUNTY, WEST VIRGINIA
2,337.75	65	62%		STNTA	1423	200 by Deed 312 by Survey	43	99	167 by Deed 253 by Survey	67	ACREAGE	GINIA
	12/20/1939	4/20/1929			5/20/1929	5/20/1929	7/19/1937	9/23/1944	5/20/1929	11/27/1961	DATE 04/26	/2024
	DB 107/186	DB 95/322			DB 79/463	DB 79/463	DB 88/486	DB 98/280	DB 79/463	DB 122/420	RECORDING	

IV-35 (Rev 8-81)



DEPT. OF MINES



Date June 20, 1983 Operator's Well No. Grow #44

2895

Bepartment of Mines Gil und Gas Bivision

API No. 47 - 085

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 791.65 Waters.ed	Hughes R	iver		
District: Grant County Rit	chie	Quadrangle	e Petrol	Leum 7.5'
OMPANY Wayman W. Buchanan				
DDRESS 444 Petroleum Commerce Bldg. San Antonio. Texas 78205	Casing	Used in	Left	Cement
ESIGNATED AGENT Leroy Hopkins	Tubing	Drilling	in Well	fill up Cu. ft.
DDRESS P. O. Box 106, Kenna, WV 25248	Size			
SURFACE OWNER Kenneth Hoover	20-16 Cond.			
DDRESS Petroleum, WV 26161	13-10"			
INERAL RIGHIS OWNER George C. Grow, Jr.	9 5/8		329'	150 sks
DDRESS Westfield, NJ 07090	8 5/8		323	150 585
OIL AND GAS INSPECTOR FOR THIS WORK Samuel	7		1294'	225 sks
Hersman ADDRESS Smithville, WV 26178	5 1/2			
PERMIT ISSUED April 20, 1983	4 1/2		3969'	220 also
ORTILING COMMENCED June 14, 1983	3		3909	220 sks
ORILLING COMPLETED June 19, 1983	2			
F APPLICABLE: PLUGGING OF DRY HOLE ON DON'TINUOUS PROGRESSION FROM DRILLING OR DEWORKING. VERBAL PERMISSION OBTAINED ON DETAIL DEWORKING.	Liners used			
SPOLOGICAL TARGET FORMATION Devonian Shale		Dep	th 4	000 fee
Depth of completed well 4000 feet I	Rotary 1	Cable	e Tools	
Water strata depth: Fresh 150 feet;				
Coal seam depths: None	Is coal	being min	ed in the	area? N
DPEN FLOW DATA				. Contract of the contract of
	Dan	3		
Producing formation Devonian Shale				
Gas: Initial open flow Mcf/d Final open flow TSTNG Mcf/d				
Final Open Liow Louis MCT/D				
	ial and fi			
Time of open flow between init:		mant atta	r U4hat	ors Usakut i
Time of open flow between init: Static rock pressurepsig(surface		ieit, arte		
Time of open flow between init:  Static rock pressurepsig(surface)  (If applicable due to multiple completion-	)			
Time of open flow between initial Static rock pressurepsig(surface (If applicable due to multiple completion-Second producing formation_	) Pay	y zone dep	th	
Time of open flow between init:  Static rock pressurepsig(surface)  (If applicable due to multiple completion-	Pay	y zone dep itial open	th	Bb1/

FORM IV-35 (PEVERSE)

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

Perforated 35 holes from 3912 to 3224'.

Treated and fractured with 90 quality foam
(150 bbl sand laden fluid), 32,500# 20/40 sand, 641,000 scf N2.

Perforated 35 holes from 3146' to 2480'. Treated and fractured with 90 quality foam (180 bbl. sand laden fluid), 32,500 # 20/40 sand, 605,000 scf  $N_2$ .

### WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
Sand & Shale Shale Sand Shale Sand Coffee (?) Shale Big Lime Big Injun Shale Siltstone Shale Sunbury Shale Berea Siltstone Shale Sandy Siltstone Shale Shale Shale Shale/Siltstone Shale TD	0 600 720 800 840 950 966 1052 1120 1410 1500 1518 1522 1710 1740 2005 2808 3150 4000	600 720 800 840 950 958 1052 1120 1410 1440 1500 1518 1522 1710 1740 2005 2808 3150 4000	
	IXST	WO LET	
		Maria Cara	

(Attach separate sheets as necessary)

Wayman W. Bucha	nan 04/26/2024
Well Operator	04/20/2024
By: Kou	25 ites
	5/201

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

### STATE OF WEST VIRGINIA

### DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION

### RECEIVED

JUN 1 7 1983

### OIL AND GAS DIVISION WY DEPARTMENT OF MINES

### INSPECTOR'S WELL REPORT

Permit No. 85-6397 Oil or Gas Well\_ CASING AND USED IN LEFT IN PACKERS Company Wayman Mr Buckanan Size Address Kind of Packer\_\_\_\_ Well No Srow # Size of Drilling commenced 6-14-83 65/8-Depth set\_ 5 3/16\_ Drilling completed\_\_\_\_\_Total depth\_ Perf. top\_\_\_ Depth of shot Perf. bottom\_ Liners Used. Initial open flow\_\_\_\_\_/10ths Water in\_ Perf. top\_\_\_ Perf. bottom\_ Open flow after tubing\_\_\_\_\_/10ths Merc. in\_\_\_\_ Volume. \_Cu. Ft. CASING CEMENTED\_\_\_ SIZE \_No. FT\_\_\_\_Date NAME OF SERVICE COMPANY Rock pressure\_ bbls., 1st 24 hrs. COAL WAS ENCOUNTERED AT\_ FEET\_ Dusted FEET\_ INCHES\_ FEET INCHES Salt water\_ FEET\_ INCHES FEET INCHES Drillers' Names Fredrick Watring C. W. Price Overson Coon Clint Hurt Rig # 5 tool Pusher Rodney Bapton Ran 339 fort of 95 "casing Ran 150 sacks cement meat 824 foot deep at time of Visit

6-15-83

Samue M. SADENOSSAN.
DISTRICT WELL INSPECTOR

### STATE OF WEST VIRGINIA

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

### INSPECTOR'S PLUGGING REPORT

MPANY			ADDRESS			
RM	DISTRICTCOUNTY					
ling Material Used				F. 1959		
ing material Osed						
ner Loc	eation	Amount	Packer	Location		
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOS
			· · · · · · · · · · · · · · · · · · ·			
7			3			
llers' Names						
narks:						
	I hamabu wantida I -	rigited the charge	e well on this date.			





OIL & GAS DIVISION
DEPT. OF MINES

### State of West Virginia

### Department of Mines Gil and Gas Division Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

COMPANY	WAYMAN W. BUCHANAN	PERMIT NO 47-085-6397
	444 PETROLEUM COMMERCE BLDG	FARM & WELL NO _ GROW #44
	SAN ANTONIO, TX 78205	DIST. & COUNTY GRANT/RITCHIE
RULE	DESCRIPTION	IN COMPLIANCE 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 Wor Prepared before Drilling to Preven 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 Was Reclaimed Drilling Pits No Surface or Underground Pollutio Requirements for Production & Gath Well Records on Site Well Records Filed Identification Markings	te X X
I HAVE	INSPECTED THE ABOVE CAPTIONED WELL A	SIGNED GLEN P. ROBINSON
with Ch	ell record was received and reclamation apter 22, Article 4, Section 2, the see for the life of the well.	on requirements approved. In accordance
		Administrator-Oil & Gas Division
		January 3, 1985
		DATE

