FILE COPY



1)	Date: Nou	.30			, 19.83
2)	Operator's Well No	HAY	57	#/	FORM IN SE
	API Well No.	47	-	105 -	1115
		State		County	Permit

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

APPLICATION	FOR A	WELL	WORK	PERMIT
APPLICATION	TUK A	WELL	MUKK	PERMIT

4) WELL TY								PRIFICATIONS	
				n	X/			/ Deep	_/ Shallow/)
5) LOCATIO		vation:		6 5p	Rix 65	Watershed: _ County: _ Le	BRUSHY FOR		GIRTA 7/2
6) WELL OF	PERATOR	CLINT	HURT		550c., I			AGENT I.D.	AUID BARTRAM
Addres		O. Box					Address	M.O. Box 3	
	E	LKUIE	w, w.	VA.2	5071			FLKUIFW,	W. VA. 25071
8) OIL & GA							9) DRILLING CO		
Name			Control of the last of the las	-	2 1	<u></u>	Name LLis	ST HURT + AS	SOC. ATES, Ix
Addres			J RT. A				Address	P.O. Box's	88
	10	ONE	Yvil	LE,le	1.UA.25	259		ELKUIEW,	W. VA. 25071
10) PROPOSI	ED WELL V	WORK:	Drill		_/ Drill	deeper		/ Stimulate	
							rate new formation_	- 5	CONTRACTOR CO
						ell (specify)		D)	SCELVISIN
11) GEOLOG								111	1
	ated depth o					feet		TIL	NOV 3 0 1000
					- 10 A			feet.	NOV 3 0 1983
	oximate coal					Is co	oal being mined in the	area? Yes	DIL & GAS DIVISION
15) CASING	AND TUBI			- m					
CASING OR TUBING TYPE		SPEC	Weight	S			INTERVALS	OR SACKS	PT. OF MINES
	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
Conductor	133/8		48	X		20'	201		Kinds TO SURFACE
Fresh water	113/4		42	X		250'	250'		TOSURFACEDY
Coal	25%		120	V		2.46(	3144/		Sizes 700 Fillus
Intermediate	85/8		28	1		2100'	2100		To aktivity !
Production	442		10.5	X	27	5100'	5/00/		Depths set 70 2100' 01
Tubing					Y	ANT STED S	経すなり、		reg by or
Liners									Perforations:
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	2 2011						Hale L		
				(e)mail	OF	FICE USE	ONLV		A palication received
	The state of					RILLING PE			
		7 405	4445			deemod i e	ACIVILI		Well work started
Permit number_	4	7-105-	-1115					Dec	cember 1, 1983
								Dat	
									ce with the pertinent legal re-
									l and Gas Inspector, (Refer to tractor shall notify the proper
district oil and g								in operator of his con	tractor shall hothly the proper
The permitted w	ork is as de	scribed in	the Notic	e and A	pplication, r	olat, and reclam	ation plan subject to	any modifications a	nd conditions specified on the
reverse hereof.	0111 10 40 40					, una 1001um	ation plan, subject to	any mounteurions u	na conditions specified on the
Permit expires		Decen	nber 1	, 198	55	unless well	work is commenced	prior to that date and	prosecuted with due diligence.
									OTHER INSPECTIONS
Bond:	Agent	/	Plat:	Casin	g Fe	e			
ANKET BI	JAN .	1 2	0/1	m	1 100	200			Reason:
	1 21	11 11	14	11/1	0 /29	184	-	70.	
N. Long							- / -		

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

14/05/2024 ""

Administrator, Office of Oil and Gas

Administrator, Office & Oil and Cas



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FORM 1V-2(B) (Ohvorse)

STATE OF WEST VIRGINIA

	OFFI	CE USE ONLY	APILITES			B 2 B
PERMIT MODIFICAT	TIONS AND CONDIT	TIONS (IF ANY)				
leep Shallow X		_/ Linderground's	X	13", Production	B (If "Ga )N: Elevation	
	JRUSHY TORK			101	N: Elevation	LOCATE
undrangle; Leef 7 7/2						
T. DALID BURTHAM	7) DESIGNATED AGENT	364	"BOCCEL A	DT TURE	ERATOR LAS	I WELL OI
VON 200 10. UA 25071	Address P.C		150071	100 0 AO		
	9) DRILLING CONTRAC				AS INSPECTOR	
RT + ASSOCIATES IN					HOMER D	
300 od 388	Address P.C				Lisse	
Kuita, 10 1/4 25071	EU	975705	E,10.48			
		deeper	una X	K: Drill_	D WELL WOR	
process grant grant grant process grant grant grant grant	ite new (ormalion					
		n well (specify)				
13		77546 8777				
all coop of your all						
	95]	feet, salt				
OIL & CAS DIVISION					oximate coal seam AND TUBING P	
THE RELL AND BE SHOWN AND ADDRESS AND ADDR		ROOTAGEER		NO DECEMBER		
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Juliac Feel) Kindis 70 Sea (C. 2007)	Dr. Ilaveni fili i	For drilling	tiew Used X	\$ 13	1348	
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Deputs of TAZICAL	5/00/	12010	X	10.5	41/2	достив
req 124	OFFIC	CE USE ONLY				gain
Creforations ()						
his part of Form IV-2(b) is to rec	cord the dates of certain	n occurrences ar	nd any follow	v-up inspect	ions.	
	Data				D-4-(	,
	Date				Date(	s)
polication received		Follow up	inspections	1		
application received	NLY	Follow-up	inspection(s	)		
		Follow-up				
		OFFICE USE O				sational fitte
Vell work started		OFFICE USE O			200	<b>120</b> mun tim
Vell work started	TIMS	DRI., LING PER	,,	614.1481	47-20	
Vell work started  Completion of the drilling rocess	CMIT  Decimission granted to drill  filestion must be well at to	OFFICH USE C DRIALING PER below: evidence o c reverse per cot. Nor	ocalion shown	SF1215		
Vell work started Completion of the drilling Process	MIT  I permission granted to drill  Ification mast new year to to  In addition, the well operate	OFFICH USE C DRIALING PER below: evidence o c reverse per cot. Nor	ocalion shown	ocator and well accombined by consumed by consumed by		o permit cov rememts subj
Vell work started Completion of the drilling Process Vell Record received	MIT  betmission granted to drill fixmes must be given to the In addition, the well operate  ).	OFFICE USE C  DRI. LING PET  below a cvidence of ceverse hereof. Not  say, continued avoids  ork has commenced	ocalion shown erein and on de ora seel gliscour ual permuted h	Skills rator and well ar consined b reass local ours before an	ec to the condition re-estatection of as inspector 24 h	s permit covernets subject to a
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#### SURFACE OWNER'S COPY



1) Date:	1 40		, 19
2) Operator's Well No.	HAYT		
3) API Well No.	47		
	State	County	Permit

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

## APPLICATION FOR A WELL WORK PERMIT

Well-LOPERATOR   Quadrangle:	4) WELL TY	В (	If "Gas",	Production	n	X		storage	_/ Deep	/ Shallow/)
Address  8) OIL & GAS INSPECTOR TO BE NOTIFIED  8) OIL & GAS INSPECTOR TO BE NOTIFIED  9) DRILLING CONTRACTOR:  Name  Address  Address  Address  Address  10) PROPOSED WELL WORK: Drill	5) LOCATIO									7 0 2 2 27 3
Address  8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Address  10) PROPOSED WELL WORK: Drill Plug off old formation Other physical change in well (specify)  11) GEOLOGICAL TARGET FORMATION, 12) Estimated depth for completed well, 13) Approximate coal seam depths: 14) Approximate coal seam depths: 15) CASINO AND TUBING PROGRAM OIL & GAS DIVIS CASINO AND TUBING PROGRAM TUBING TYPE Size Grade Peeth New Load Peeth water Couldwidtor  Tubing Tribing Illiermediate Production The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application for a Well Work Permit, and that I have receive opies of (1) a Notice of Application for a Well Work Permit on Form IV-2,(A), (2) an Application for a Well Work Permit and the reverse side of this Application for a Well Work Permit on Form IV-2,(B), (3) a survey pon Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-7, (A), (2) an Application for a Well Work Permit in Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-7, (A), (2) an Application for a Well Work Permit in Form IV-7, (A), (2) an Application for a Well Work Permit in Form IV-7, (B), (3) a survey pon Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-7, (A), (2) an Application for a Well Work Permit in Form IV-2, (B), (3) a survey pon Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-7, (B), (1) an Application for a Well Work Permit in Form IV-7, (B), (B), (B), (B), (B), (B), (B), (B)	O WELLOD									
8) OIL & GAS INSPECTOR TO BE NOTIFIED  Name Address  Addr			e film	213					AGENT	\$ 0.000 miles
Name Address    Address	Address			7.1.7.7.9.9.9		987/1		Address	F18 3	The second section of the second second
Name Address    Address	8) OIL & GA	S INSPEC	TOR TO	BE NOTI	FIED			9) DRILLING CO	NTRACTOR:	The second of the second of the second
Address  Address  Address  Address  Address  Plug off old formation.										* * * * * * * * * * * * * * * * * * * *
Plug off old formation Perforate new formation Other physical change in well (specify)    13) GEOLOGICAL TARGET FORMATION,   12) Estimated depth of completed well,	Address	4	11.7	4 18 2 A		1986		Address		Make a series of the series of
Plug off old formation Perforate new formation Other physical change in well (specify)    13) GEOLOGICAL TARGET FORMATION,   12) Estimated depth of completed well,			40000	32141	0.13	1093	<u> </u>		A ZK TOPEN	and it compared to the control of the control
Other physical change in well (specify)  Other physical change in well (specify)  Distinated depth of completed well,	10) PROPOSE	D WELL	WORK:	Drill	X	_/ Drill	deeper	/ Redrill	/ Stimulate	
11) GEOLOGICAL TARGET FORMATION,  12) Estimated depth of completed well,  13) Approximate trade depths: Fresh,  14) Approximate trade depths: Fresh,  15) CASING AND TUBING PROGRAM  CASING AND TUBING PROGRAM  CONDUCTOR TUBING TYPE  Sire Grade per ft. New Used For drilling Left in well Conductor  Fresh water  Conductor Fresh well Conductor  Fresh water  Conductor Fresh well Conductor  Trobing Left in well Conductor  Tubing Depths set  The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.  VOLUNTARY STATEMENT OF NO OBJECTION  I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have receive opies of (1) a Notice of Application for a Well Work Permit on Form IV-2(B), (3) a survey on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.  I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on the anterials.  For execution by corporation, partnership, etc.)  Signature  Apallia Williams Date: II-28  Lamphallams Date: II-28  Lamphallams Date: II-28  Lamphallams Date: II-28				Plug of	ff old	formation	/ Perfor	ate new formation_		
12) Estimated depth of completed well,							AVERTON ALL DESCRIPTION OF THE PERSON OF THE			TO SECTION S
13) Approximate trata depths: Fresh, feet; salt, feet. NOV 3 0 198  14) Approximate coal seam depths: Is coal being mined in the area? Yes No OIL & GAS DIVIS  15) CASING AND TUBING PROGRAM  CASING AND TUBING PROGRAM  CASING OR SPECIFICATIONS TUBING TYPE Size Grade per fi. New Used For drilling Left in well (Cubic feet)  Conductor Fresh water Conductor Fresh water Conductor Fresh water Production Depths set Intermediate Production Depths set Tubing Liners  The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's opt of the Application.  VOLUNTARY STATEMENT OF NO OBJECTION  I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey pon Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein. I further state that I have no objection to the planned work described in these materials.  **May Mulliams Condition**  **May Mulliams Date: II-28**  **May Mulliams Da										1100000
14) Approximate coal seam depths:  Is coal being mined in the area? Yes No GAS DIVIS  CASING AND TUBING PROGRAM  FOOTAGE INTERVALS  Size Grade per ft. New Used For drilling Left in well Combination  Tubing Production  The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner owners owner owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner own										44
ASSING AND TUBING PROGRAM  ASSING OR TUBING TYPE  Size  Grade  SPECIFICATIONS TUBING TYPE  Size  Grade  SPECIFICATIONS TOWN Weight  Intermediate  Production  Tobing  Liners  The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.  VOLUNTARY STATEMENT OF NO OBJECTION  I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have receivable of the surface owner's copy of the Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit being issued based on the Interest state that I have no objection to the planned work described in these materials, and I have no objection to partnership, etc.)  NAME:  By  Size  Grade  FOOTAGE INTERVALS  FOOTAGE INTER										
CASING OR TURNO TYPE  Size  Grade  per ft.  New   Used   For drilling   Left in well   Conductor   Fresh water   Coal							Is co	al being mined in the	area? Yes	OU & GAS DIVISION
TUBING TYPE  Size  Grade  Weight per ft. New Used  For drilling  Left in well  OR SACKS (Cable feet)  Kinds  Frech water  Coal  Intermediate  Production  Tubing  Tubing  The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filling of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.  VOLUNTARY STATEMENT OF NO OBJECTION  Thereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have receivopies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey por Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on wy surface land as described therein.  I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on the materials.  **May Milliams (Form)  NAME:  By  Jausphald Juliams Date: 11-28-  Signature)  Date: 11-28-  NAME:  Date: 11-28-  Jausphald Juliams Date: 11-28-  Date: 11-28-		IND TOB					FOOTAGE	NTERVALO		
Conductor  Coal  Intermediate  Production  The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.  VOLUNTARY STATEMENT OF NO OBJECTION  I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have receive opies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-9 and If or proposed well work on my surface land as described therein. I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on the naterials.  **Maya Mallams** [For execution by corporation, partnership, etc.)  For execution by corporation, partnership, etc.)  [For execution by natural persons]  **Maya Mallams** [For execution by natural persons]			1	Weight	1			1	OR SACKS	LIP PACIET MINE
The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.  VOLUNTARY STATEMENT OF NO OBJECTION  I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have receive topies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey por Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.  I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on the materials.  **May Mallams (Cas)  For execution by corporation, partnership, etc.)  Date: ### Date ####################################	Conductor	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
Coal Intermediate Production Depths set  Tobing Liners  The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.  VOLUNTARY STATEMENT OF NO OBJECTION  I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received to the propose of (1) a Notice of Application for a Well Work Permit on Form IV-2(B), (3) a survey propose of (1) a Notice of Application for a Well Work Permit on Form IV-2(B), (3) a survey propose of (1) a Notice of Application for a Well Work Permit on Form IV-2(B), (3) a survey propose of (1) a Notice of Application for a Well Work Permit on Form IV-2(B), (3) a survey propose of (1) a Notice of Application for a Well Work Permit on Form IV-2(B), (3) a survey propose of (1) a Notice of Application for a Well Work Permit on Form IV-2(B), (3) a survey propose of (1) a Notice of Application for a Well Work Permit on Form IV-2(B), (3) a survey propose of (1) a Notice of Application for a Well Work Permit on Form IV-2(B), (3) a survey propose of (1) a Notice of Application for a Well Work Permit, and that I have received to the IV-2 of the Application for a Well Work Permit, and that I have received to the IV-2 of the Application for a Well Work Permit, and that I have received to the IV-2 of the Application for a Well Work Permit, and that I have received to the IV-2 of the Application for a Well Work Permit, and that I have received to the IV-2 of the Application for a Well Work Permit, and that I have received to the IV-2 of the Application for a Well Work Permit, and that I have received to the IV-2 of the Application for a Well Work Permit, and that I have received to the IV-2 of the Application for a Well Work Permit, and that I have received to the IV-2 of the Appl		2 2					and the second	40 E		Kinds
Intermediate Production Depths set  Tubing Liners Perforations:  The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.  VOLUNTARY STATEMENT OF NO OBJECTION  I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have receivables of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey poin Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein. I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on the materials.  For execution by corporation, partnership, etc.)  NAME:  By  Taking Mulliams  Date: 11-28  Signature)  Date: 11-28		365								Sizas
The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.  VOLUNTARY STATEMENT OF NO OBJECTION  I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have receive sopies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey perm Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein. I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on the materials.  For execution by corporation, partnership, etc.)  NAME:  By    Date   Depths set   Perforations:   Top   Bottom   Perforations:   Perforat		9 /A			X			29181		A RESIDENCE AND A PROPERTY OF THE PERSON OF
The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.  VOLUNTARY STATEMENT OF NO OBJECTION  I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have receivables of (1) a Notice of Application for a Well Work Permit on Form IV-2(B), (3) a survey point Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey point Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey point Form IV-2(B), (3) a survey point Form IV-2(B), (3) a survey point I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on the materials.  **Maya** Mallams** (Coa)**  (For execution by corporation, partnership, etc.)    Signature   Date:   11-28-11-28	Production	472		7				2722 4		S STORY AND REAL PROPERTY OF THE STORY
The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.  VOLUNTARY STATEMENT OF NO OBJECTION  I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received to propose of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey proposed well work on my surface land as described therein.  I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on the naterials.  **Mayu** Milliams** (Eval)  NAME:  By    Comparison   Comparison	Tubing									
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# INSTRUCTIONS TO SURFACE OWNERS AND EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT ON OIL AND GAS WELL WORK PERMIT

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas West Virginia Department of Mines 1615 Washington Street East Charleston, West Virginia 25311 (304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments as provided in Methods for Filing Comments below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

1)	Date: Nov. 30	,1983
2)	Operator's	
	Well No. Havs#/	
3)	API Well No. 47	105-1115
	Chaha	0

State County Permit

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

### NOTICE OF APPLICATION FOR A WELL WORK PERMIT

A) CIDEACE CLARRY (C) OF THE		HOIR TIMEIT	
4) SURFACE OWNER(S) OF REC	RD TO BE SERVED	5(i) COAL OPERATOR	RAIDUF
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Address	LLIAMS		
		(ii) COM COMED (C)	LITTURE STORY
(ii) Name LEXINGTON	OH:0	Non-	WITH DECLARATION ON RECORD:
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(iii) Name Hawsford+Gur	5/11:11 0105	Name	The state of the s
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		Address	The state of the s
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and de	lugged, which sets out the parties ir cribes the well and its location and, mg program;	if applicable	other work,
(2) The pl	g program;	, at applicable, the propose	ed casing and
(3) The Con	(surveyor's map) showing the well l struction and Reclamation Plan on For ell), which sets out the plan for er	location on Form IV-6; and	
plug a	rell) which cots and it	m IV-9 ) unless the well wor	k is only to
- CCIAIR	ion for the site and access mad	and semilent control	and for
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(FORM IV-2(B) OF	CO RECEIVED THESE DOCUMENTS IS THAT ZED IN THE "INSTRUCTIONS" ON THE REV. FORM 4, DESIGNATED FOR YOU. HOWEVER	ERSE SIDE OF THE COPY OF THE	HE APPLICATION
		TO TO TO TO	AKE ANY
for a Well Way	that under Chapter 22 of the West Vir of file or has filed this Notice and F ermit with the Administrator of the C	rginia Code, the undersigned	well op-
Department of Mi	and the Administrator of the C	Office of Oil	documents
and depicted on	at the low	ration describer	Virginia
Construction and	es, with respect to a well at the loc trached Form IV-6. Copies of this Mo Wellamation Plan have been mailed by Son(s) named above (see	otice, the Application, the	Application
before the day of	trached Form IV-6. Copies of this No declamation Plan have been mailed by son(s) named above (or by publicatio mailing or delivery to the Administra	registered or certified mai	l or delivered
	the Administr	ator.	CALL COLLEGE
6) EXTRACTION RIG	rs	10)	5(C)31(V   2   1)
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7) ROYALTY PROVISI	eright to extract oil or gas. ent of Code 22-4-1-(c)(1) through (4)  NS extract produce	. (See reverse side for spe	Stfice GAS DIVISION
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the require	erse side for line item instructions, copies of the Notice and Application Plan.	and for instructions	
Reclamation	Plan.	n, plat, and Construction ar	ming
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and Application is		L	
and sworn to and the Notice	Tilled	RATOR CITY HURT	. 1
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signed on behalf of the Wel	Operator By	a d Daniela	3,0/
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L DAVID BARTON		ts DESIGNATED	AGENT
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My commission expires 4	1000	ELKUIEU	611/2 25221
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Notable J. Clies	ed	( ) ( )	14-2401
Notary Public, Kanawa	County,		
State of Fest Visain			01/05/2024
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#### INSTRUCTIONS TO APPLICANT

#### CONCERNING THE LINE ITEMS:

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

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

Filing. Code § 22-4-lk and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-lk(d) and the reclamation required by Code § 22-4-lb and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-la(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

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

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

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

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

Grantor, lessor, etc. Grantee, lessee, etc. Royalty Book Page

PRENCO
P. O. Box 91
Mineral Wells, W. Va. 26150

and all other notices required hereunder to be furnished to SWD shall be given or mailed to:

PRENCO
P. O. Box 91
Mineral Wells, W. Va. 26150

7. Roberts shall deliver to the credit of SWD, free of cost in a common-carrier pipeline, or the tanks, trucks and tank cars of the purchaser, an overriding royalty of five (5%) percent of all oil produced and saved from the described lands; and shall pay to SWD, an overriding royalty of five (5%) percent from the sale of the gas marketed from all of the wells drilled under this agreement.

This agreement and the assignments pursuant thereto are also made or to be made subject to the terms of the underlying leases and of the assignment there of from Glen W. Roberts and George Paul Roberts to SWD, which reserves a seven and one-half (7½%) percent overriding royalty for Glen W. Roberts, now held five (5%) percent by the Estate of Glen W. Roberts and two and one-half (2½%) percent by Denzil L. Prather.

- 8. The terms of this agreement shall also extend to and bind the leasehold estates created by renewals and replacements of said lease and the oil and gas produced by Roberts under the terms hereof and the terms of all agreements unitizing such leases and the renewal and replacements thereof.
- 9. The terms, conditions and covenants hereof shall extend to and be binding upon the respective personal representatives, heirs, successors and assigns of Roberts and SWD.

If the above correctly states our agreement, please indicate your acceptance and confirmation by signing two copies of this letter in the space provided below and return one copy to Southwestern Developm Company, P. O. Box 91, Mineral Wells, WV 26150.

Yours very truly,

SOUTHWESTERN DEVELOPMENT COMPANY

See Age

Y: Nene

Denzil L. Prather

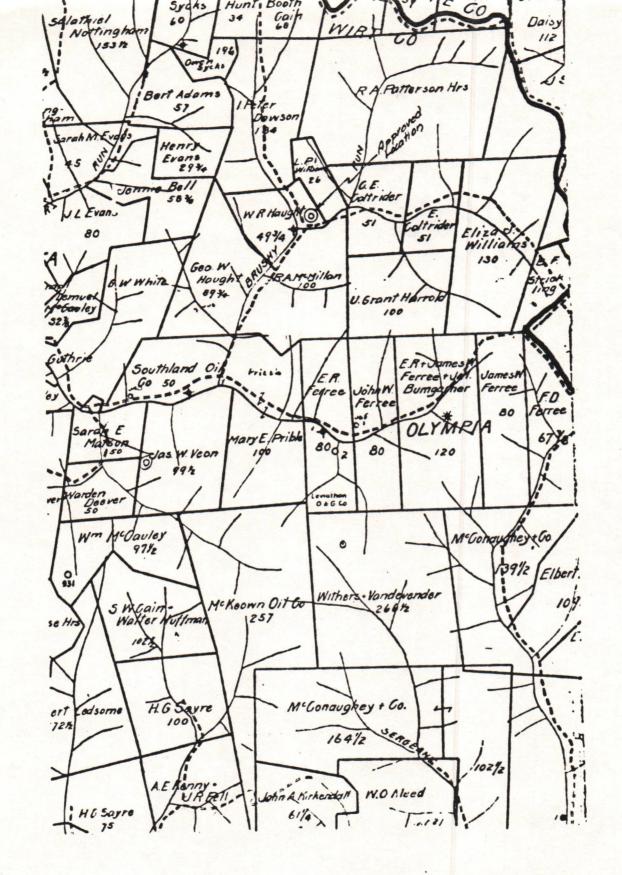
Division Manager

Accepted and agreed to as of the 20th day of October, 1983.

Tempertolit

George W. Roberts

01/05/2024



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01/05/2024



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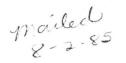
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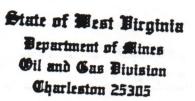
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Jeroge A. Diet

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DEPT. OF MINES

This is to acknowledge that the wells listed on the reverse of this form are hereby transferred from Clint Hurs to Dec.
hereby transferred from Clint HUKT & Associates, Inc 23450 (the transferor)
to Alliance Resources Corporation 1375 (the transferor)
THESOURCES CORPORATION 1375 (the trans
The transferee by this document to account
with the provisions of Chapter 22 A-ticle 1
with the provisions of Chapter 22 Article 4 of the West Virginia Code and all rules
Total the listed walls
The transferee's designated agent (name) GEORGE KING
(address) RT 1, Box 24 , IAEGER, W. VA. 24844 , is on file with the Office of Oil and Gas.
and das.
The transferee has bonded the said wells by securities, cash, or surety (circle one)
bond identified below by amount, effective date, issuing analysis.
bond identified below by amount, effective date, issuing authority, and any identifying
OFFICIAL SEAL NOTARY PUBLIC (Transferee)
TATE OF WEST VIRGINIA
IRA DAVID BARTRAM  Its  Its
Taken, substrobed and averiboto before me this
Notary Public Sta David Barham day of June 1985
Ty Commission areins
- 73
OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Transferor) Clint Heut & Association State Of West VIRGINIA
STATE OF WEST VIRGINIA  By  By  By
Barta 2 Bark RAM
Taken, subscriber and research for the first fir
My commission expires 5/22 19 5
19 55
ACCEPTED THIS DAYOFTUL 1985
ACCEPTED HIS DAYON 37, 1983

Form IV-77 Reverse (9-84) A-11 23450/

API (Permit) Humber	Parm Name	Operator's Well Number
47 - 105 - 1114	ROBERTS #1	
47-105-1103	ROBERTS #2	
47-105-1115	HAYS # 1	
47-105-1105	MCCAULEY #1	-
47-105-1104	VEON #1	<u> </u>
47-105-1121	EVANS # 1	
47-105-1130	WELLS # 1	-
47-105-H28	WELLS#2	•
47-105-1156	DRENNEN#1	
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IV-35 (Rev 8-81)

AUG - 1 1984

## State of Mest Birginia

Bepartment of Mines Gil und Gas Bivision

Clint Hurt & As	sociates Rig
Date	
Operator's	
Well No. 1983	A-LTD-6
Farm Hays #1	
API No. 47 - 1	05 - 1115

OIL & GAS DIVISION DEPT. OF MINES

WELL OPERATOR'S REPORT

## DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

(If "Gas," Production / Undergr LOCATION: Elevation: 807' Watershed	Brushy Forl	(		
District: Burning SpringCounty 1	Wirt	Quadrang1	e Girta	7 1/2
COMPANY Alliance Resources Corporation				
ADDRESS 12900 Preston Rd., Dallas Texas 75230		<del></del>		1.
DESIGNATED AGENT J. David Bartram	Casing	Used in		Cement fill up
ADDRESS P. O. Box 388, Elkview, WV 25071	Tubing	Drilling	in Well	Cu. ft.
SURFACE OWNER W. Williams	Size 20-16		92,484	Light Date
ADDRESS	Cond.			
MINERAL RIGHTS OWNER Hays Heirs, et al	13-10"	284.45'	284.45	159
ADDRESS	9 5/8			March District
OIL AND GAS INSPECTOR FOR THIS WORK Homer	8 5/8	1917.19'	1917.19'	572
Dougherty ADDRESS Looneyville, W 25259	7			
PERMIT ISSUED 12/1/83	5 1/2			
DRILLING COMMENCED 12/1/83	4 1/2		4793.32'	735
DRILLING COMPLETED 12/6/83	3		- Linia	Page 1516
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2		4702501	
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Marcellus Shale				
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Water street days	Rotary X	_/ Cable	Tools	
Coal seam depths:	Salt 162			
OPEN FLOW DATA	_ Is coal l	being mine	d in the	area?
Producing formation Hampshire, Chemung, B	rallier Pay	zone dept	h 2323-4	727' feet
Gas: Initial open flow N.E.G. Mcf/d	Oil: Init	tial open	flow	Bb1/d
Final open flow 275 Mcf/d				DOTI
Time of open flow between init (sg460) Static rock pressure Tub120 psig (surface)	ial and fir measureme	nal tests	hou	rs
(If applicable due to multiple completion	)	-10, 4141	iour	s snuc in
Second producing formation		zona dont	0	1/05/2024
Gas: Initial open flow Mas/a	Oil. Tois	ial ann	£1	feet
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PCI/d	Oil. Pin-	T manual P		
Final open flow Mcf/d  Time of open flow between init				Bb1/d

(REVERSE)

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

Lower Chemung/Brallier - N2/Acid Frac: BKDN 2350 psi; ATP 2895 psi; AIR 70,000 Scf/m ISI 1800 psi; N2 1,155,000 Scf; 2386 gals. 15%

HC1

38 Holes 4076 - 4727'

Middle Chemung
(2nd Stage)

- N2/Acid Frac:

BKDN 1700 psi; ATP 2455 psi; AIR 70,000 Scf/m ISI 1500 psi; N<sub>2</sub> 1,151,500 Scf; 2052 gals. 15%

HC1

40 Holes 3385 - 4025'

Hampshire/Upper Chemung - N<sub>2</sub>/Acid Frac: (3rd Stage)

BKDN 1650 psi; ATP 25300 psi; AIR 70,000 Scf/m ISI 1350 psi; N<sub>2</sub> 1,162,000 Scf; 2094 gals. 15%

HC1

WELL LOG

38 Holes 2323 - 3293'

OHMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
FORMATIONS DEPTHS TAKEN FROM (	AMMA RAY LOO		
Sand and shale	0	284	
Gas Sand	284	305	
Sand and shale	305	496	
Gas Sand	496	513	
Silt and shale	513	718	Hole wet @ 1624' - Start soapin
Sand	718	730	INTE MET G TOTA
Sand and shale	730	977	
Cow Run	977	1105	
Sand and shale	1105	1246	
Salt Sand	1246	1306	
Silt and shale	1306	1477	
Salt Sand	1477	1550	
Shale	1550	1575	
Maxton	1575	1658	
Shale	1658	1660	
Big Lime	1660	1734	Gas Checks @:
Big Injun	1734	1857	2600' - no show
Silt and shale	1857	-2242	2000 - NO Show
Coffee Shale	2242	2257	3200' - no show
Silt and shale	2257	2354	20001
Gordon	2354	2373	3800' - no show
Silt and shale	2373	2616	4418' - no show
5th Sand	2616	2687	그 [이라면 다 하면까지 그렇다 가게 하면 하는 것이 나를 하는 것이 되었다.
Shale	2687	3469	4800' - no show
	3469	4399	
Silt and shale Siltstone	4399	4413	
Shale	4413		
TOTAL DEPTH		4809	Well logged by Young Wirelin
Gamma Ray Log Depths of Devonian Shale:			
Devonian Shale:			
Hampshire 2257-2741'	de la seconda de la companya della companya della companya de la companya della c		
Chemung 2741-4236		1	The state of the s

(Attach separate sheets as necessary)

	Alliance Resources Corporation
	Well Operator  By: Len E. Chambe
•	Date:

01/05/2024

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 only, encountered in the drilling of a well."

#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

## INSPECTOR'S WELL REPORT

Company Clint Hurt + assor	CASING AND TUBING	USED IN	LEFT IN	PACKERS
Address Elkeriew W.M.	Size	DRILLING	WELL	PACKERS
	16			
Farm Hays Heirs etal	13			Kind of Packer
ell No. Hays #	10	- CORN	MEM	Size of
strict Burning Springs County Wir	81/4	S PIET	V G	
illing commenced /2/1/83	65%	DEC 9	1983	Depth set
lling completedTotal depth	5 3/16	OIL & GAS	DIVISION	reged as discovery as years of the
e shotDepth of shot	3	EPT. OF	[AIII AIT	Perf. top
				Perf. bottom
tial open flow/10ths Water in_				Perf. top
en flow after tubing/10ths Merc. in				Perf. bottom
ume	Cu. Ft.   CASING CEME	NTED	_SIZE	No. FT
k pressurelbs	hrs. NAME OF SEF	RVICE COMPAN	IY	
bbls., 1s	t 24 hrs. COAL WAS EN	COUNTERED A	AT	FEETINCH
h waterfeet				EETINCH
waterfeet				
,	FEET	INCHE		EETINCH
ers' Names Rick Knight	Tusher	Danny	Stan	ches
int Hurt Rig #1  arks: 12/5/83 02700 ft,	Deep drilling			

12/5/83 DATE Homes The Doughelly
DISTRICT WELL INSPECTOR

#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

### INSPECTOR'S PLUGGING REPORT

OMPANY			ADDRESS	Contract to the second	esta in my						
ARM	DISTRICTCOUNTY										
lling Material Used											
ner Lo	eation	Amoun	t Packer	Location							
PLUGS USED AND DEPTH PLACED		BRIDGES	CASING AND TUBING								
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST					
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				mar Line.							
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			Land Land Land								
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llers' Names					er 4 - 1 m c 2 t 2 mag p20						
					4-1-1-1-1-1						
marks:				Nower Control							
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01/05/2024
DISTRICT WELL INSPECTOR

B-4

OG. 11

#### STATE OF WEST VIRGINIA

## DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

## INSPECTOR'S WELL REPOREPT. OF MINES

Permit No. 185-1115			Oil or	Gas Well
Company Clint Hurt + Assoc,	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Address Elkview, M.Va.	Size			age to the same
Farm Hays Heis etal	16		207.28.2	Kind of Packer
Vell No. Hays #/	13		294 K.B.	Size of
istrict Burning Springoounty West	814 38	18: A v = - 1 v = 1 vov v	1970 KB	The second secon
rilling commenced 12/1/83	6%			Depth set
rilling completedTotal depth	3			Dowf 4
ate shotDepth of shot	_ 2			Perf. bottom
itial open flow/10ths Water inInc	ch Liners Used		was gen	Perf. top
en flow after tubing/10ths Merc. inInc	h			Perf. bottom
ck pressurelbshrsbbls., 1st 24 hrs	NAME OF SERV	ICE COMPA	NY Dou	_No. FT. 12/2/80 ate
sh waterfeetfeet	19.	OUNTERED	ATF	EETINCHES
Water			All Comments of the second	EETINCHES
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Pers' Names Rick Knight  Wint Hurt Rig #1	Pushes &	Danny	Starche	1
12/2/83 Ran 294ft. K.B. of 1134 of Regular 3 % C.E. Plug Dow 2/4/83 Ran 1970ft KB. of 8	igged up a	nd star	ted drill	ling.
3/4/83 Ran 1971 St K.R. of 8	n 10:45 a.s 8 <sup>3</sup> 8" hine +	M. By &	owell.	356 8.60
2/4/83 Ran 1970 ft KB, of 8 Light Weight 5 107 Salt Rlug Down 1:38 P.	and 100 Si	acks of	Regulas	3% C.C.
12/5/83 DATE	III. By Dowe	Hom.	es H.D	01/05/2024
		/	Dist	TRICT WELL INSPECTOR

#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

### INSPECTOR'S PLUGGING REPORT

Tilling Material Used.  Tilling Material Used.  Tilling Material Used.  The Location Amount Packer Location  PLUGS USED AND DEPTH PLACED BRIDGES CASING AND TUBING	Permit No.				We	II No			
Amount Packer Location  PLUGS USED AND DEPTH PLACED BRIDGES CASING AND TUBING  CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOI	COMPANY			ADDRESS					
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	CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST		
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			paral Arman S						
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ilers' Names	EG WILL STATE	2A 119							
NOTE ATTENDED	llers' Names								
the little was a second of the									
		hamahu wantida T	deited the st						
Thousand and the state of the s	DAYE	nereby certify I v	isited the abo	ve well on this date.					
						01/05/2	2024		

DISTRICT WELL INSPECTOR

13-5

#### STATE OF WEST VIRGINIA

## DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION
DEPT. OF MINES

## INSPECTOR'S WELL REPORT

		Oil or Gas Well				
Company Clint Hurt,	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS		
Address Elkinew, W. Va.	Size					
arm Hays Heirs etal	16	21-		Kind of Packer		
ell No. Hays #/	13					
strict Burning Spring ounty Wist	81/4			Size of		
rilling commenced 12/1/83	65%			Depth set		
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en flow after tubing/10ths Merc. inInch			province ne l'acce	Perf. bottom		
umeCu. Ft.	CASING CEMEN	TED	SIZE	No. FTDat		
k pressurelbshrs.	NAME OF SERV			No. FTDar		
bbls., 1st 24 hrs.	COAL WAS ENC	OUNTERED	ΔT	FEETINCHE		
h waterfeetfeet				FEETINCHE		
waterfeetfeet						
ers' Names Rick Knight	- 1x			FEETINCHES		
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rks: 12/7/83 O Well drilled	in 42"	sine.	run	Ria b.1. 0		
int Furt Rig #-1  arks: 12/7/83 O Well drilled  bown ready to more, n	ro one or	n local	teon.	Rig Rigged		
V						

12/7/8/3 DATE Homes H. D01/05/2024

DEPT. OF MINES

#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

#### INSPECTOR'S PLUGGING REPORT

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ARM		DISTRI	CT	С	OUNTY		
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iner Loc	eation	Amoun	and the second	Packer	Location		
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				Contract de la contraction de	Section 1988		
4					5 000 7		
llers' Names					- In the same way	e e green and a second	
marks:							
	I hereby certify I v						

OG-11 B-6

## DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

## INSPECTOR'S WELL REPOREPT. OF MINES

Permit No. 105-1115					r Gas Well	
Company Clint Hart + ass	001	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PAC	KERS
Address Elkeview, W.Va,		Size				as New York
Farm Hays Heirs		16			Kind of Pa	cker
Well No. Hays #1	3	13				
District Burning Spring County Wir	1	81/4			Size of	
Drilling commenced 12/1/84		65/8			Depth set_	
Drilling completed /2/7/84 Total depth		5 3/16				
• / /		3			Perf. top_	
Date shotDepth of shot		2			Perf. botto	m
Initial open flow/10ths Water in_	Inch	Liners Used			Perf. top	
Open flow after tubing/10ths Merc. in	Inch				Perf. botto	m
Volume	Cu. Ft.	CASING CEMEN	NTED	SIZE	No. FT	Date
Rock pressurelbs,	hrs.	NAME OF SER	VICE COMPA	NY		
Dilbbls., 1s	st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
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Salt waterfeet	feet	FEET_	INCH	ES	_FEET	INCHES
Orillers' Names						-82/15/10/22
Remarks: 5/24/84 Messille de Location. Dozes fle	n shor	Treelas	nation			
Remarks: 5/24/84 Merrille de	ores e	eroice le	rosking	on re	claimi	ns
Location. Dozes fr	Elling	pit. I	scatton.	es in s	Level ble	tom.
	0	/				

5/24/84 DATE Homes H, Dynasovaly
DISTRICT MILL INSPECTOR

#### STATE OF WEST VIRGINIA

#### **DEPARTMENT OF MINES**

#### OIL AND GAS WELLS DIVISION

## INSPECTOR'S PLUGGING REPORT

OMPANY	ad his		ADDRESS		<u> </u>		5 V 1000 90	
ARM	DISTRICT COUNTY							
	1389/ 150	A 131		A Shappy		4 1 1	3	
illing Material Used						- 2		
				D. L.	Loc	nation		
iner Lo		Amou		Packer	_	cation	IDING	
PLUGS USED A	AND DEPTH PLACED		BRID			G AND TU	LOST	
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AND	YMARMO	N WWW.					176	
1. A. W. Lander Commence of Control St.	TA ORTS							
Orillers' Names	819 (21.56)	200	18)		54.95			
A 18 No 18 A management of the control of the contr	and the second second second second	or make an object, the second	The second of the second of the second	angertage and a transfer of the state of the	be a supplied to the particular section of the		and the state of the state of	
Remarks:								
DATE	I hereby certify I v	isited the above	well on this date.					

FORM IV-36 [08-78]



OIL & GAS DIVISION

DEPT. OF MINES

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date:

API Well No.

WELL OPERATOR'S REPORT OF INITIAL GAS-OIL RATIO TEST

		INITIAL GAS-O	IL RATIO TE	EST	
WELL OPERATOR	12900 PRESTON DALLAS, TEX	IRD STE SOO		NATED AGENT J DAVID BAA7 Address P.O. B. 320	RAN
	(214) 991	1-5908		ELKVIEW, WYazs	031
GEOLOGICAL TARGET	FORMATION:	Marcell	in Sh	Lake Depth 4800'	1
			Perforation	on Interval 2323 - 4727	felt
GUIDELINES FOR TE	STING:				
3- Uniform p	of gas vented or preflow into pipe roducing rate dur nt standards as f Form IV-36 for ea	elines or tanks ring the 24 hour to	est per tes eport of An ation in a	st period nnual Production" (see Regulizion 51.0 multiple completion	<b>3</b>
START OF TUBING PRE	SSURE CASING PRE	END OF TEST-DATE  SEPARATOR  SEPARATOR  SEPARATOR  SEPARATOR  SEPARATOR  SEPARATOR  SEPARATOR  SEPARATOR  SEPARATOR	DATA  TE TIME  PRESSURE  TEST WATER I		
			nou		
MEASUREMENT FLANGE TA	METHOD PIPE TAP	GAS PRODU	Andrew Company of the Party of	POSITIVE CHOKE	
ORIFICE DIA			C	CRITICAL FLOW PROVER	
DIFFERENTIA	L PRESSURE RANGE	PIPE DIAMETER (I		NOMINAL CHOKE SIZE - IN.  PROVER & ORIFICE DIAM II	
DIFFERENTIAL		STATIC	and the second second second second		
GAS GRAVITY	(Air-1.0)	FLOWING TEMPERATE	IF APP	GAS GRAVITY (Air-1.0) MEASURED ESTIMATED	
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				24 HOUR COEFFICIENT	
	An experience of the second sec			PRESSURE - PSia	
O VALLED	DAILY WATER	R D bbls.	ILY GAS	GAS-OIL RATIO	
			By: 2	ALLIANCE RESOURCES CORP. 12900 PRESTON RD., STE. 500 DALLAS, TEXAS 75230 Wel 214) 991-5908	m.
			Its:	readest	•

B-12

COMPANY Clint Hurt & Associates, Inc.



#### State of West Birginia

### Bepartment of Mines Gil and Gas Bivision





QIL & GAS DIVISION

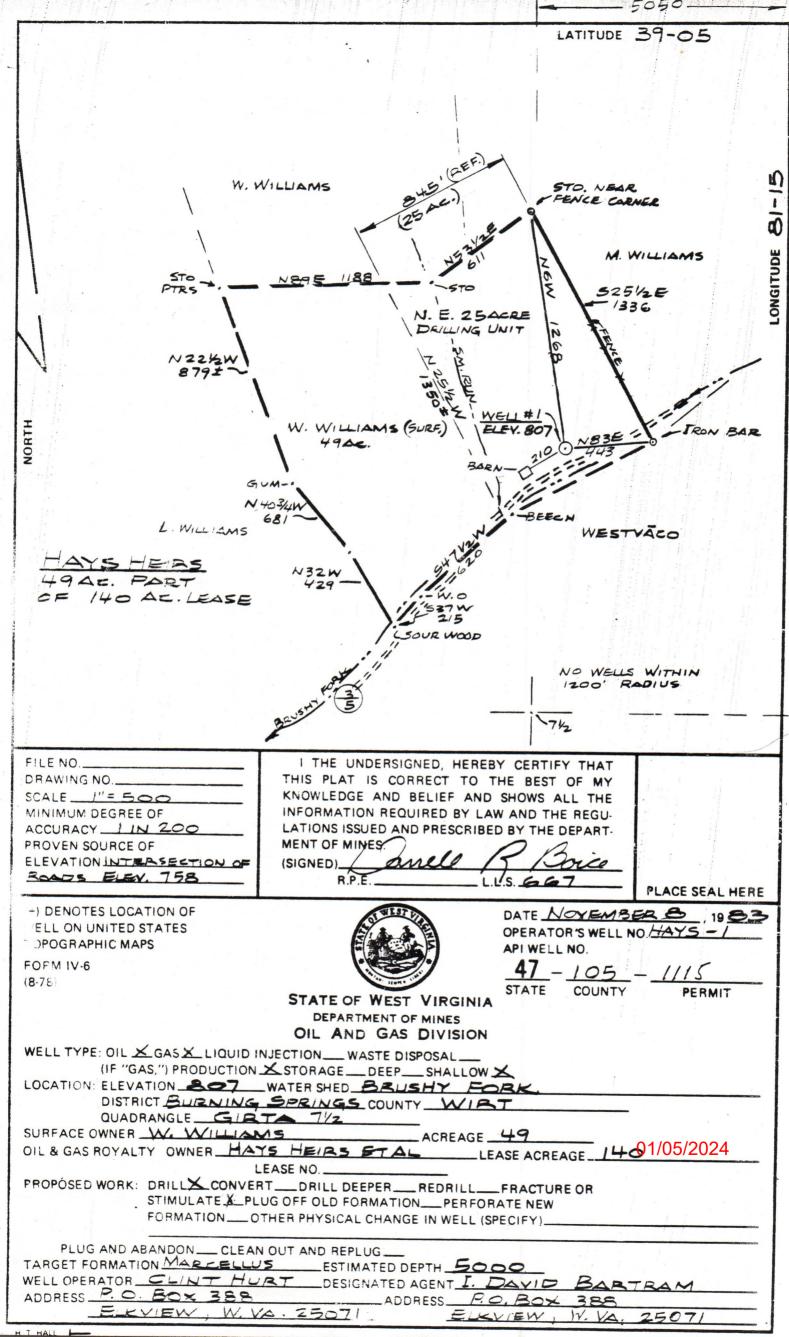
DEPT. OF MINES

PERMIT NO

105-1115 (12-01-83)

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT February 13, 1985

P. O. Bo	ox 388	FARM &	WELL	NO	W. Will	iams,	Hays 1
Elkview,	West Virginia 25071	DIST. 8	cou	NTY	Burning	Spri	ngs/Wir
RULE	DESCRIPTION			IN YES	COMPLIA	NCE NO	
23.06	Notification Prior to Starting Work				V	110	
25.04	Prepared before Drilling to Prevent	Waste	-		1		
25.03	High-Pressure Drilling	Maste	-				
16.01	Required Permits at Wellsite		-		_		
15.03	Adequate Fresh Water Casing		-	1	/		
15.02	Adequate Coal Casing		-				
15.01	Adequate Production Casing		-	U	_		
15.04	Adequate Cement Strenght		-	T	/		
15.05	Cement Type		-	i			
23.02	Maintained Access Roads		-	V			
25.01	Necessary Equipment to Prevent Waste		-	V			
23.04	Reclaimed Drilling Pits		-	V			
23.05	No Surface or Underground Pollution		-	V			
23.07	Requirements for Production & Gather	ing Pipeli	nes -	V			
16.01	Well Records on Site		_	V			
16.02	Well Records Filed		_				
7.05	Identification Markings		_	V			
I <u>HAVE I</u>	NSPECTED THE ABOVE CAPTIONED WELL AND	RECOMMEND SIGNED DATE	THAT	IT me	BE RELI H. (19/8)	Don	gheri
with Chap	record was received and reclamation oter 22, Article 4, Section 2, the about for the life of the well.	requirement ove well with Administration	111 r	ema	in under	bond	6
		-	D	ATE	July 3,	1985	



covenants contained in the above described oil and gas lease and all renewals and replacements thereof, insofar as those covenants affect the leasehold estates hereafter assigned by SWD to Roberts.

- 3. If any well is completed by Roberts as a dry hole or any producing well of Roberts shall cease to produce oil or gas in marketable quantities, then Roberts shall, subject to the provision of paragraph four (4), plug and abandon the same in the manner required by the laws of the State of West Virginia.
- 4. Before Roberts abandons any well drilled on the lands subject to this agreement, Roberts shall give to SWD thirty (30) days notice, in writing, of their intention to abandon such well, during which period of thirty (30) days SWD shall have the right to purchase the well and materials therein, together with the leasehold estates necessary to operate the well, all for the sum of money equal to the salvage value of the materials in and upon the well at that time, provided, however, that in the event the rig and other equipment used to drill the well is on the well location at the time such notice is given, then Roberts shall give to SWD, forty-eight (48) hours notice by telephone, exclusive of Saturday, Sunday, or a legal holiday. If SWD purchases such well, material and estates, Roberts shall execute and deliver to SWD the proper instruments of transfer therefor.
- During the drilling of any well on the lands described in the oil and gas leases above described, Roberts shall furnish SWD with a copy of the location plat and daily drilling report, and SWD's representatives shall have access to the premises and derrick floor at all times during the drilling, coring, logging and completion of SWD shall be furnished with all information pertaining to the well. the drilling, coring, logging and testing of formations encountered, including but not limited to, copies of logs, core analyses, drill ste tests and fluid analyses. Representative samples of drill cuttings taken at intervals of ten (10) feet or less from below the surface pipe to the total depth shall be saved, washed and dried and supplied SWD; and SWD shall have the right to examine and chip at any time any cores taken. Roberts shall also notify SWD of any intended coring logging, testing and the encountering and drilling of all potential pay zones in time for SWD's representatives to be present and to with such operations. Roberts further agrees, upon completion of any well drilled hereunder, to deliver to SWD a complete log thereof, certified as being correct, together with copy of gamma ray log from surface to total depth, a gamma gamma density-caliper log and an induction log from surface to total depth, and any other logs and surveys, drill st tests, core analyses and fluid analyses, made and not previously delivered.
- 6. All samples and copies of reports, logs, tests and other information to be furnished to SWD under paragraph five (5) above, shall be given or mailed to:

SOUTHWESTERN DEVELOPMENT COMPANY

NIATE ROUTE 14 - P.O. BOX 91 MINERAL WILLS, WEST VIRGINIA 26150

PHONE 304-489-2222

October 20, 1983

George W. Roberts P. O. Box 92 Elizabeth, West Virginia 26143

Dear Mr. Roberts:

This letter is intended to outline for acceptance and confirmation our agreement with respect to the development of oil and gas and the assignment of leasehold estates in certain lands in Burning Springs District, Wirt County, West Virginia, which lands are described as follows:

Being the northeasterly twenty-five (25) acres of the J. R. Hays and other Lease with ratification by T. R. Hays and Jeanne Hays, his wife, recorded in Deed Book 115, Page 430 and Eleanor Hays, unmarried, in Deed Book 115, Page 430, and, a Lease by R. L. Haught and others with a ratification by Mary Ann Rexroad, unmarried, recorded in Deed Book 115, Page 445 and assigned to Southwestern Development Company by Glen W. Roberts and George Paul Roberts, situate on waters of Brushy Fork Creek, containing approximately 140 acres, said assignment being dated June 1, 1957 and recorded in Book No. 117, at Page 56 in the records of the County Clerk of Wirt County, West Virginia.

George W. Roberts is hereinafter referred to as "Roberts" and Southwestern Development Company is referred to as "SWD."

- 1. On or before March 16, 1984, Roberts shall commence the drilling of a well at the location as shown on the attached map, and shall complete said well with due diligence and dispatch and in a workmanlike manner to a depth sufficient to test the Devonian Shale formation for the production of oil and gas. If the well is commenced on or before March 16, 1984, and is drilled in the manner specified, on or before March 16, 1984, and is drilled in the manner specified, then SWD shall assign to Roberts all of SWD's right, title and interest in and to the leasehold oil and gas and the oil and gas leasehold estates in and under the tract of land.
- 2. Roberts shall indemnify and save harmless SWD from all claims, demands, costs, payments, losses, damages and actions which may arise out of Roberts operations under the terms hereof and from

IV-9 (Rev 3-71)

cooperation to protect new

Attach aer mite sheets as necessary ments.

seedling for one growing season.



## State of Mest Birginia

Department of Mines

Construction & Reclamation Plan

WELL NO. HAYS API NO. 47 - 105-111

ADDRESS P.O. BOX 388	
ELKVIEW, W.VA. 25071	ADDRESS:
Telephone 304 344-2401	
LANDOWNER W. WILLIAMS	777 70/
Revegetation to be carried out by	SOIL CONS. DISTRICT LITTLE KANAW
Revegetation to be carried out by	ELINT HURT (Agen
and additions has been reviewed by	He Kanawha SCD. All corrections
and additions become a part of this plan:	11-9-83
	(Date)
	farrell Hewton
ACCESS ROAD	(SCD Agent)
	LOCATIONS CELLY SIN
Structure CRUSHED STONE (A	) Structure
Spacing AS NEEDED	, MUV 2 0 1983
Page Ref. Manual	THE WISHON
	Page Ref. Manual DEPT. of MINES
Structure (B)	Chamber of the control of the contro
Spacing	Structure
Page Ref. Manual	Material
rege ret. Marrial	Page Ref. Manual
Structure	The state of the s
Spacing (C)	Structure 4
	Material
Page Ref. Manual	
All structures should be	Page Ref. Manual
All structures should be inspected requiremential timber is to be out and stacked out and removed from the site before direct	clarly and repaired if necessary
cut and removed from the site before dirt	work begins and small timber to be
	TATION
Treatment Area 1 + II	
Lime	Treatment Assault
or correct to pH 6.5	or correct to pH Tons/acre
(10-20-20 or equivalent)	Fertilizer
Mulch 5 TO A	(10-20-20 or equivalent)
Swert. FF	MILCO
DEAT	Seed* Tons/acre
and act &	lbs/acre
1bs/acre	lbs/acre
Inoculate all legumes such as vetch, tref Inoculate with 3% recommended amount.	lbs/acre lbs/acre lbs/acre proper05d05/2024
or recommended amount.	the proper Odd 5/2024
PLAN	PREPARED BY MODELLA
NOTES: Please request landowners'	PREPARED BY DARRELL R. BOICE 115

ADDRESS RT 1, BOX 92

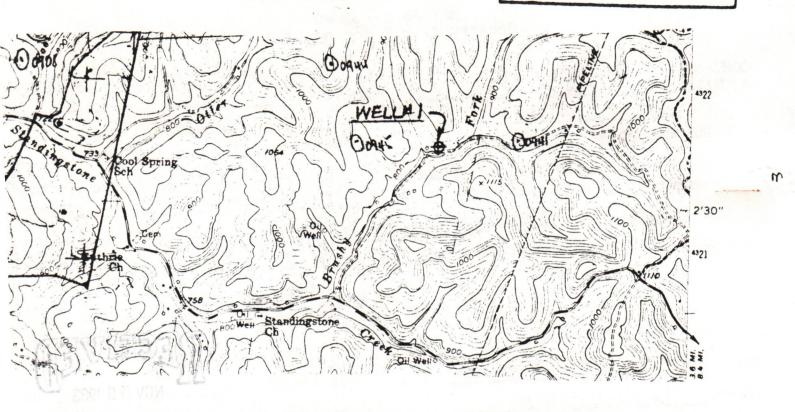
PHONE M. 304 474-3654

ELIZABETH W. VA

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

OUADPANGLE GIRTA 7/2

LEGEND WELL SITE BACCESS ROAD-



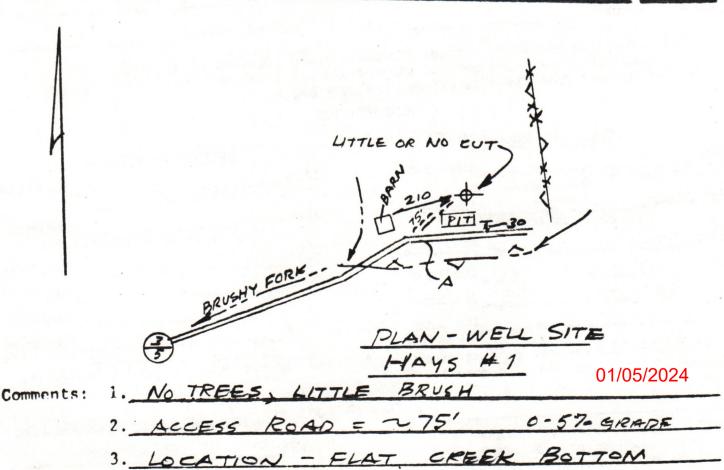
Property boundary

Poad = = = Spring O

Existing fence × × ×

Planned fence / / Building Frain pipe O

Open ditch Waterway C = =



PRENCO
P. O. Box 91
Mineral Wells, W. Va. 26150

and all other notices required hereunder to be furnished to SWD shall be given or mailed to:

PRENCO
P. O. Box 91
Mineral Wells, W. Va. 26150

7. Roberts shall deliver to the credit of SWD, free of cost in a common-carrier pipeline, or the tanks, trucks and tank cars of the purchaser, an overriding royalty of five (5%) percent of all oil produced and saved from the described lands; and shall pay to SWD, an overriding royalty of five (5%) percent from the sale of the gas marketed from all of the wells drilled under this agreement.

This agreement and the assignments pursuant thereto are also made or to be made subject to the terms of the underlying leases and of the assignment there of from Glen W. Roberts and George Paul Roberts to SWD, which reserves a seven and one-half (7½%) percent overriding royalty for Glen W. Roberts, now held five (5%) percent by the Estate of Glen W. Roberts and two and one-half (2½%) percent by Denzil L. Prather.

- 8. The terms of this agreement shall also extend to and bind the leasehold estates created by renewals and replacements of said lease and the oil and gas produced by Roberts under the terms hereof and the terms of all agreements unitizing such leases and the renewals and replacements thereof.
- 9. The terms, conditions and covenants hereof shall extend to and be binding upon the respective personal representatives, heirs, successors and assigns of Roberts and SWD.

If the above correctly states our agreement, please indicate your acceptance and confirmation by signing two copies of this letter in the space provided below and return one copy to Southwestern Developme Company, P. O. Box 91, Mineral Wells, WV 26150.

Yours very truly,

SOUTHWESTERN DEVELOPMENT COMPANY

Bv:

Denzil L. Prather

Its Di

Division Manager

Accepted and agreed to as of the 20th day of October, 1983.

George W. Roberts

Thenge workshut to Allrana Acresza begwirtin, Ltd. of orther, 1983, by Gange withints ( wright, "Roler to) to Allience Accorde. Againstin, Ltd., a Texas lowited justicelup. (hercafier "Allrance terroge"). Whenes out for one Poller and other. good and wheele convolues to may Potents I arrague to Alliance tomage, respect to the terms and reservations busine for referred to, he asget to died the shale well required in the leave formant letter agreement from Smithwestern Pour Systement Grupony to Blot pella Lad heisto seresung he northeast 25 ares out of to I.R. Koys et il ite and live to Tomony Sprays Porteret birt G. west Versefound to in said farimentageoswent. selmustenege ix detla countr le dailled he shalo well en esquired à void farment, and formal ignerents and an Jonants portioning therate are to la prepared in the town form and soliferer as in the granters ceres of Southwestern Development Company farmonts transferred by Petertito Alliane terrige the Topus and and stan and united with

respect to they exallery Instructional to the user outer. to Retents of whits below the top of The Com Jerono livertone, was tour originating royalties, and attent rights as exertised a the traviler downers for the Me Cauly and Vear 25 aire farments. be withour about he falling Soprid and send Jierry Contation! State of authorizated to with a with and auty personality Reform me, 2 No trung Parks of sand auty personality of Reform me, 2 No trung Parks and auty personality of appeared to shore around copy and property with a 25th day of intire led style true to property factory all the state of the personal and the state of the sand and the sand are the formal factory and the state of the sand and the My commission expires Jus 5,1992 No motiment Cupe of Flex's

### SOUTHWESTERN DEVELOPMENT COMPANY

STATE ROUTE 14 - P.O. BOX 91 MINERAL WILLS, WEST VIRGINIA 26150

PHONE 304-489-2222

October 20, 1983

George W. Roberts
P. O. Box 92
Elizabeth, West Virginia 26143

Dear Mr. Roberts:

This letter is intended to outline for acceptance and confirmation our agreement with respect to the development of oil and gas and the assignment of leasehold estates in certain lands in Burning Springs District, Wirt County, West Virginia, which lands are described as follows:

Being the northeasterly twenty-five (25) acres of the J. R. Hays and other Lease with ratification by T. R. Hays and Jeanne Hays, his wife, recorded in Deed Book 115, Page 430 and Eleanor Hays, unmarried, in Deed Book 115, Page 430, and, a Lease by R. L. Haught and others with a ratification by Mary Ann Rexroad, unmarried, recorded in Deed Book 115, Page 445 and assigned to Southwestern Development Company by Glen W. Roberts and George Paul Roberts, situate on waters of Brushy Fork Creek, containing approximately 140 acres, said assignment being dated June 1, 1957 and recorded in Book No. 117, at Page 56 in the records of the County Clerk of Wirt County, West Virginia.

George W. Roberts is hereinafter referred to as "Roberts" and Southwestern Development Company is referred to as "SWD."

- 1. On or before March 16, 1984, Roberts shall commence the drilling of a well at the location as shown on the attached map, and shall complete said well with due diligence and dispatch and in a workmanlike manner to a depth sufficient to test the Devonian Shale formation for the production of oil and gas. If the well is commenced on or before March 16, 1984, and is drilled in the manner specified, then SWD shall assign to Roberts all of SWD's right, title and interest in and to the leasehold oil and gas and the oil and gas leasehold estates in and under the tract of land.
- 2. Roberts shall indemnify and save harmless SWD from all claims, demands, costs, payments, losses, damages and actions which may arise out of Roberts operations under the terms hereof and from

covenants contained in the above described oil and gas lease and all renewals and replacements thereof, insofar as those covenants affect the leasehold estates hereafter assigned by SWD to Roberts.

- 3. If any well is completed by Roberts as a dry hole or any producing well of Roberts shall cease to produce oil or gas in marketable quantities, then Roberts shall, subject to the provision of paragraph four (4), plug and abandon the same in the manner required by the laws of the State of West Virginia.
- 4. Before Roberts abandons any well drilled on the lands subject to this agreement, Roberts shall give to SWD thirty (30) days notice, in writing, of their intention to abandon such well, during which period of thirty (30) days SWD shall have the right to purchase the well and materials therein, together with the leasehold estates the well and materials in all for the sum of money equal to the necessary to operate the well, all for the sum of money equal to the salvage value of the materials in and upon the well at that time, salvage value of the materials in and upon the requipment used provided, however, that in the event the rig and other equipment used to drill the well is on the well location at the time such notice is given, then Roberts shall give to SWD, forty-eight (48) hours notice by telephone, exclusive of Saturday, Sunday, or a legal holiday. If SWD purchases such well, material and estates, Roberts shall execute and deliver to SWD the proper instruments of transfer therefor.
- 5. During the drilling of any well on the lands described in the oil and gas leases above described, Roberts shall furnish SWD with a copy of the location plat and daily drilling report, and SWD's representatives shall have access to the premises and derrick floor at all times during the drilling, coring, logging and completion of the well. SWD shall be furnished with all information pertaining to the drilling, coring, logging and testing of formations encountered, including but not limited to, copies of logs, core analyses, drill stem tests and fluid analyses. Representative samples of drill cuttings taken at intervals of ten (10) feet or less from below the surface pipe to the total depth shall be saved, washed and dried and supplied to SWD; and SWD shall have the right to examine and chip at any time any cores taken. Roberts shall also notify SWD of any intended coring, logging, testing and the encountering and drilling of all potential pay zones in time for SWD's representatives to be present and to witness such operations. Roberts further agrees, upon completion of any well drilled hereunder, to deliver to SWD a complete log thereof, certified as being correct, together with copy of gamma ray log from surface to total depth, a gamma gamma density-caliper log and an induction log from surface to total depth, and any other logs and surveys, drill stem tests, core analyses and fluid analyses, made and not previously delivered.
  - 6. All samples and copies of reports, logs, tests and other information to be furnished to SWD under paragraph five (5) above, shall be given or mailed to:

