

1) Date:		June	3,	 19_	83
2) Operator's Well No.	#5				

3) API Well No.

GEOLOGICAL TARGET FORMATION. STH. Sand 17) Estimated depth of completed well, 3200 feet 18) Approximate water strata depths: Fresh, 30 6/7 feet; salt, 810, 990 feet. 19) Approximate coal seam depths: 390, 630, 700 Is coal being mined in the area? Yes. No. X CASING AND TUBING PROGRAM CASING AND TUBING PROGRAM CASING OR TUBING TYPE Size Grade per New Used For drilling Left in well Colbe feet) Conductor 11, 3/4 x 40 40 TO SULTEACE Kinds Coal To SULTEACE Kinds To SULTEACE Kinds Intermediate 8 5/8 23 x 1550 1550 TO SULTEACE Kinds Intermediate 8 5/8 103 x 3200 3200 500 Sks. Depths set CK CS A A Mult 15 Production 11) EXTRACTION RIGHTS Check and provide one of the following: Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas. The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.) 22) ROYALTY PROVISIONS Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or as similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracte produced or marketed? Yes No. No. No. X Signed: Approximate water strata depths: 300 GRACKS (Cubic feet) Many Leaf Signed: Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the about the subject of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the about some produced or marketed? Yes No. No. Notary: Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the about some produced or produced by hand to the about some produced or produced by the mailing or delivery of this Permit Application and the enclosed plat and r	RILLING CONT	RACTOR:					SENTE LI	N. S. C.	3) AFI	State	County	Permit
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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
 - 15) 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).
 - 23) 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.

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2)	Operator's	Ba]	sley	#	5 4 1	

Well No._ 47 -3) API Well No. State County Permit

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

APPLICATION FOR A WELL WORK PERMIT

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OFFICE USE ONLY

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

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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 § 22-4-1b(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 § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

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

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

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

- (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
Josephine Balsley	Hydrocarbon Eng. Inc.	18	1117-448
mes. David Taylor	N	1/8	1117-456
MARGEURITE BAISLEY	u	1/8	1117-452
oscar Volksdorf	and the second	1/8	1133 -776
Roland WEISNER	11	1/8	1133-780

FORM IV-2(A) Obverse [8-83]

1) Date: <u>June</u> 6, ,19 84 2) Operator's

Well No.

Balsley # 5

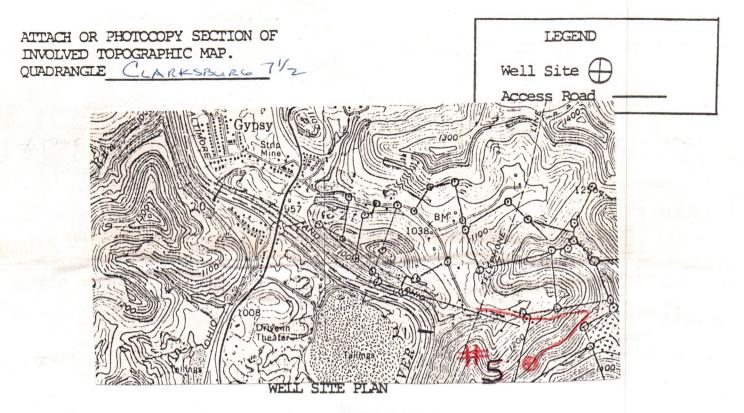
3) API Well No. 47 - 033-2916(REV) State County Permit

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

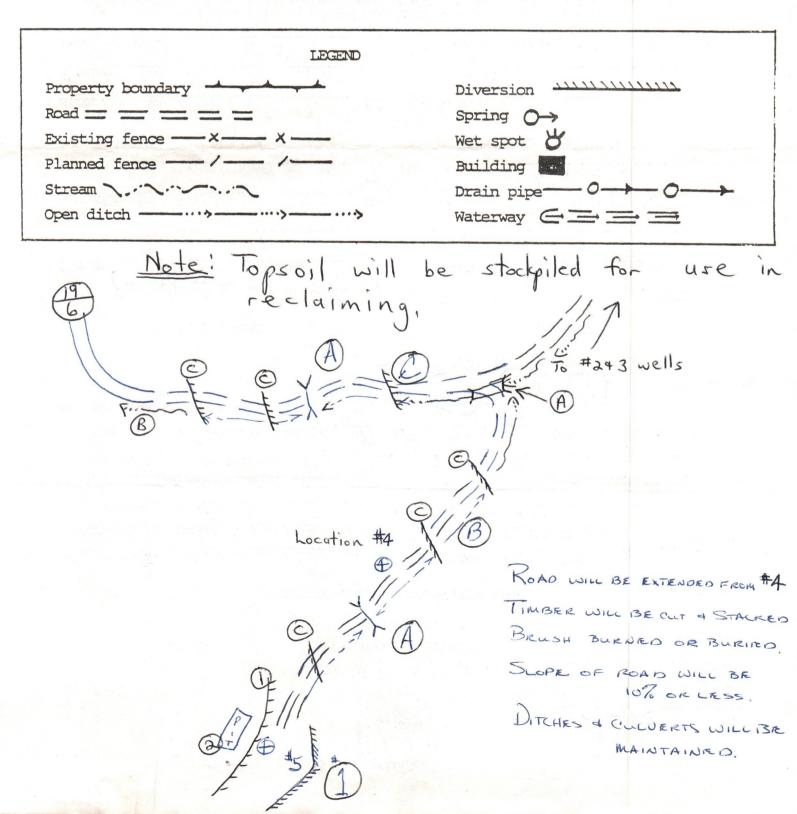
		NOTICE OF APPLICATI	ON FOR A WELL	WORK PERMIT	
) SUI	RFACE OWN	ER(S) OF RECORD TO BE SERVE		COAL OPERA	`.
(i)	Name	George Kendal		Address	The second secon
(-)		609 Spring St.	_		
	1201633	Fairmont, WV 26554	- 5(ii)	COAT, OWNER	(S) WITH DECLARATION ON RECOR
(ii)	Name H	Bridget Kendal	_	Name	
()				Address	Clay Development
		John & Chris Kendal		Address_	P. O. Box 386
		201 South Spruce St			Shinnston, WV 26431
111)		Birdsboro, Pa		Name	
	Address			Address	
				_	
			- 5(111)	COAL LESSEE	E WITH DECLARATION ON RECORD:
				Name	
				Address	
				_	
		TO THE DEDCOM (C) MANUEL ADDRESS.	1000		
		TO THE PERSON(S) NAMED ABOVE: You sho	ould have received th	is Form and the fo	ollowing documents:
		(1) The Application for a Well W	ork Permit on Form IV	-2(B) (or Form IV-	-4 if the well is
		to be plugged, which sets our and describes the well and in			
		(2) The plat (surveyor's map) sho	owing the well location	on on Form IV-6; a	and
		(3) The Construction and Reclamar plug a well), which sets out		9)unless the well	l work is only to
		Total and the site and	access road.		
		THE REASON YOU RECEIVED THESE DOX	CUMENTS IS THAT YOU H	AVE RIGHTS RECARDS	INC THE ADDITION TO THE
		WHICH ARE SUMMARIZED IN THE "INSTRUCTOR (FORM IV-2(B) OR FORM 4, DESIGNATED FOR ACTION AT ALL.			
		Take notice that under Chapter 22 erator proposes to file or has filed to for a Well Work Permit with the Administration			
		Construction and Reclamation Plan have	been mailed by	the Application,	the plat, and the
		by hand to the person(s) named above (before the day of mailing or delivery	or by publication in	certain circumsta	nces) on or
		before the day of mailing or delivery	to the Administrator.		
		6) EXTRACTION RIGHTS			
		Check and provide one of the follow	ing:		
		Included is the lease or leases	or other continuing	ontract or contra	oto berebish
		The requirement of Code 22-4-1-(c) (1) through (4). (S	ee reverse side fo	or specifics.
		7) ROYALTY PROVISIONS			ALL
		Is the right to extract, produce or or other contract or contracts provi	market the oil or ga	s based upon a lea	ase or leases
		for compensation to the owner of the	oil or gas is also	oyalty or any simi	
		to the volume of oil or gas so extra	acted, produced or ma	rketed? Yes	
					OIL & GAS DIVISION
		you may use Affidavit Form IV-60.	additional is	needed. If the an	DEPT. OF MINES
	2500	See the reverse side for line in	item instructions, and	for instructions	concerning
	1	the required copies of the Noti Reclamation Plan.	ice and Application, p	plat, and Construc	tion and
The .	truth of	the information on the			
Noti	ce and An	plication is verified	WELL		
and	ce and App	prication is verified	OPERA	TOR Hydro	carbon Energies, Inc.
ain.	sworn to	and the Notice is			1
STALL	Course Cours	alf of the Well Operator	By	alnen	Socian
TU W	y County a	and State by	Its	Presi	dent
Al	VIN Son	RCAN - PRESIDENT.		ress P. O.	
this	anday of	JUNE , 1984		And the second s	annon, WV 26201
M	y commissi	ion expires 12-20, 1990		•	=9600
	CX STATE	in A John		4/2	- 9 000
	7	The Many of I			

Notary Public, UPSAUR County,

State of WEST VIRGINIA



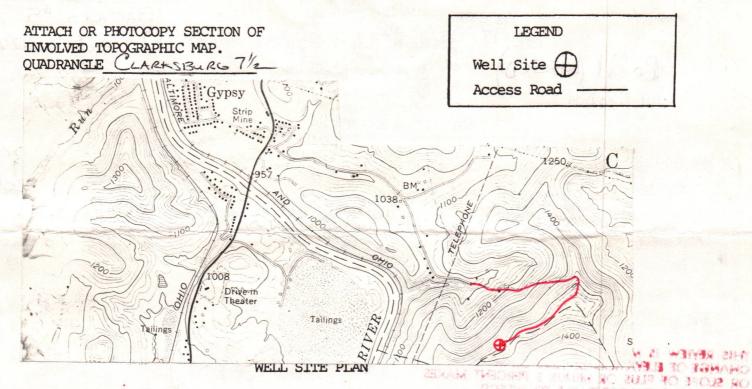
ketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.



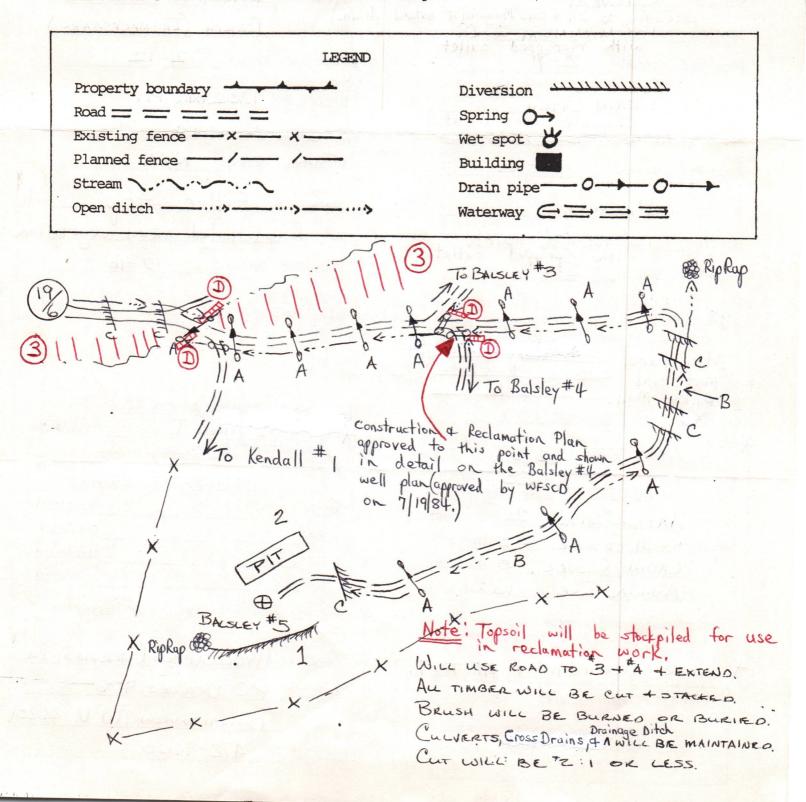
IV-9 (Rev 8-81)

IN PREPARED BY STRUNGLY RHOADS	Lime according to ptt test ===
stoil and clovers with the proper bacterium.	*Inoculate all legumes such as vetch, tre Inoculate with 3X recommended amount.
Tps/sqr	AUDUAL KUE 10 Ibs/acre
Jps/sare	CADINO CLOUER S Ibs/acre
Seed* lbs/acre	Seed* 14 31 FESCUE 35 Ibs/acre
Mulch Tons/acre	Mulch Hay or Straw 2 Tons/acre
(10-20-20 or equivalent)	(10-50-50 or equivalent)
Fertilizer lbs/acre	Fertilizer 600 lbs/acre
Lime ASARA Tons/acre Hq or correct to Hq	emin! A series and series and the series are series are series and the series are s
TI sorA trantagri	I sent AnantearI
NOTTATE	KEAECE
ed of redait lions and faurd lia boo be	uger betsegari ed bluode serutsurte 11A commercial timber is to be cut and stacked trib eroled etie edt mort bevomer ba
Page Ref. Manual	Page Ref. Manual 2-4
LaireteM	TANAN 021-08 paineds
Structure (3)	STILLETURE JREAKERS (C)
Page Ref. Manual N A	Page Ref. Manual I - 12
	biznī)
Structure Drilling Pit (2)	
Page Ref. Manual 2-12	Page Ref. Manual
Material EARTH (BUILT IF WELESSARY)	Spacing (according to 011 4 695 Many
Structure DIVIERSION BREAKER (1)	Structure (according to 011 4 6005 Many
NOLLYDOI	DAOR SZEDOA
Hand (DS)	5
SS Pl 3	This plan has been reviewed by and sadditions become a part of this plan:
Alvin Sorcan (Agent)	Revegetation to be carried out by
SOIT COME DISTRICT WEST FORK SCD	TYMOMNER CGORde Kendal
Telephone 304/472-9600	Telephone 304/472-9600
Address PO Drawer 976, Buckhannon, WV	Address PO Drawer 976, Buckhannon, WV
DESIGNATED AGENT Alvin Sorcan	COMPANY NAME Hydrocarbon Energies Inc.
NAIT NOITAMAIDER	ONA NOITHURINO
Z ⁴ 2514 7J2JASI saility in the misitiff sail	
3/26 - EEO - 74 .ON 19A singriff tes	

2006 711	ON ENCHE	1001/31/100 701 6 7700000
₹72–9600	ON ENCHS	Attach separate sissessis.
Buckhannon, WV 26201		seediing for one growing season.
P.O. Drawer 976	SSERGER	יונים בישמים הפתונים בישמום יצבבטוו
Steward RHOades	IN SEESTHED BY	ime according to pt test ==
ers with the proper bacterium.	volo bra liote	*Inoculate all legumes such as vetch, tre Inoculate with 3X recommended anount.
Jbs\action (_	AUDUAL RUE 10 Ibs/2000
1bs/acre		CADINO CLOUER S Ibs/acre
lbs/acre	*beed*	Seed* Ky 31 Fescure 35 Ibs/acre
ms\andT	Mulch	Mulch Hay or Straw 2 Tons/acre
(10-20-20 or equivalent)		(10-20-20 or equivalent)
	Fertili	Fertilizer 600 lbs/acre
Orrect to pH		E, a) Hq or tosuro to
DEVENT I ABBA EA	əmil	emi.I
Treatment Area II		I serA frantserT
	NOTTATE	KEVECE
	enigad yaow	arib eroled etis eth mort bevomer bab tue
		All structures should be inspected regucommercial timber is to be out and stacked
f. Manual	Page Re	Page Ref. Manual 2-4
τ	AireteM	T3A9A 021-08 prineds



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



	MECELVA			•	
		ST WEST PIAC	1		
	JUL 24 1984				
				DATE 6-11-8	4
	IV-9 (Rev 8-81) OIL & GAS DIVISIO	N Hama Lindon		WELL NO. BALSLE	3 A5
	(Rev 8-81) OIL & GAS DIVISIO DEPT. State of the control of the c	+ 388 agt 3	Hirminia	APT NO 117 - 033	-2619-Rev
	C- 1 (LIESCO)	ומשפת זו	ar.	AFI NO. 41 030	2011 her,
	Leca. (WF3CI) Bepa	iriment of 2	llines		
	JUL 6 1984 / OPil a	ınd Gas Bi	Distort		
	CONSTRUCTION	AND RECL	AMATION PL	AN	
	The same of the sa	T. DE	CTCNINITIED N	GENT ALVIN SORC	(۸۸
	COMPANY NAME HYDROCARBON ENERGIES				
	Address BuckHANNON, W.V. 2620 Telephone 472-9600	<u>N</u>		Buck HANNON, W. 472-9600	V. 28601
			Telephone		
	LANDOWNER JOHN KENDAL	- 1		. DISTRICT WEST	
	Revegetation to be carried out by	ALVIN	SORCAN		(Agent)
	This plan has been reviewed by	Wes	to	SCD. All corre	ections
	and additions become a part of this plan	1:	7/19/8	84	
	THE AS SHOWN A	9	(Pate)	59 11	
THIS	REVIEW IS MADE FOR SITE AS SHOULD IN FT.	Ar	reth	tright	
OR SI	OPE OF PLUS OR MINUS 3 PERCENT MAKES PLAN NOT ACCEPTABLE TO WESCD.		(SCD Age		
IHIS	ACCESS ROAD			LOCATION	
	Structure CULVERT Y	(A)	Structure	DIVERSION BRE	EAKER (1)
	(accordings to Oil & Gas Manual at	natural dra	(zni)	c G	,
	Spacing 15 MINIMUM 1.D.	Andrew was a state of the second	Material_	LAKIH (IF NECE	-SSART)
	Page Ref. Manual 2-7		Page Ref.	Manual 2-12	
	discussion of hollinging		all representation	Davis Q-	(2)
	Structure DRAIN DITCH (Inside road cuts	(B)	Structure	DRILLING P.T	(2)
	Spacing ALONG ACCESS ROAD)	Material_	EARTHEN	
	The state of the s		Page Ref.	Manual N/A	
	Page Ref. Manual 2-12			7 - n 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7	section (
	Structure BREAKERS	(C)	Structure	Filter Stri	(3)
	1-1 001-0 1		Material	undisturbed natural	vegetation
	spacing 60 to 80 Apart			1	. 0
•	Page Ref. Manual 2-4	9/1/		G. Carrier	
	All structures should be inspected	regularly	y and repar	ired if necessary. A	11
	commercial timber is to be cut and s	tacked and	a all brusi	n and small timber to	be
	cut and removed from the site before structure Sediment Barrier	(1)	t bogune.		
	Matorial Hay or Traw Duces	REVEGETATION	ON		
	Pq. Ref. Man. 2-16	. ALCOHILLE	01.	- I Took IT	
	Treatment Area I		1 # 1 p	Treatment Area II	Tons/acre
_	Tons/acr	re	XLime /	AS AREA L	_Tons/acre
	or correct to pH 6.5		Fertiliz	mag/ color and magazine	lbs/acre
	Fertilizer (10-20-20 or equivalent)	910	rererra	(10-20-20 or equiva	alent)
	Mulch HAY OR STRAW Z Tons/ac	re	Mulch		_Tons/acre
	Seed* Ky 31 FESCUE 35 lbs/acr		Seed*		_lbs/acre
	LADINO CLOVER 5 lbs/acr			18.	_lbs/acre
	ANNUAL RYE 10 lbs/acr			X/	_lbs/acre
			1 and alone	ens with the proper b	acterium.
	*Inoculate all legumes such as vetc Inoculate with 3X recommended amount.	n, trefor	i ana crove	219 00011 0110 610601 0	1
	inoculate with 3x recommended another.	+ DE AND DE	סבים משפום	HYDER ARBON FAR	RGIRS, INC.
	* Lime according to pt tes	PLAN PI	NEI ANED DI	DAD C-	7/-
	NOTES: Please request landowners'		ADDRESS_	P.O. DRAWER 97	. 11 07
	cooperation to protect new seedling for one growing season.			BUCKHANNON, 1	N. V. 26201
	Attach separate sheets as		DUONE NO	472-9600	Υ
	necessary for comments.		LHOME MO.		



Hydrocarbon Energies, Inc.



OIL & GAS DIVISION
DEPT. OF MINES

Post Office Drawer 976
BUCKHANNON, WEST VIRGINIA 26201

(304) 472-9600

April 30, 1984

Mr. Ted M. Streit
Department Of Mines
Oil and Gas Division
1615 Washington Street East
Charleston, West Virginia 25311

Dear Ted:

The following permits are undrilled and will expire if they haven't already:

- 1) P. K. Balsly #2 (Harr 2913)
- 2) P. K. Balsly #3 (Harr 2914)
- 3) P. K. Balsly #4 (Harr 2915)
- 4) P. K. Balsly #5 (Harr 2916)

We will probably be renewing them, but the locations will be revised. Please contact me if I can provide you with any other information. Thank you.

Sincerely,

Louis A. Ferrari

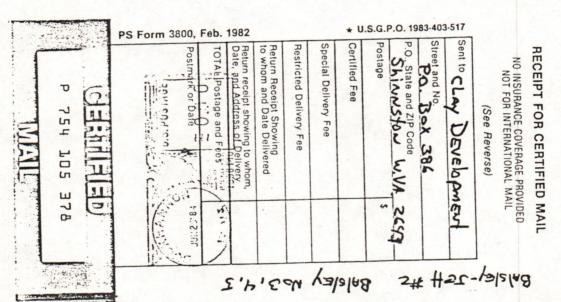
Land Manager

	IIAM GBIFIT	ASURED AND CER	REGISTERED, II	ветиви песегрт, г	(1, Dec. 1980	PS Form 3811
OEPT. OF MINES	7. UNABLE TO DELIVER BECAUSE: 78. EMPLOYEE'S INITIALS	5. DATE OF DELIVERY POSTMARK 8. ADDRESSEE'S ADDRESS (Only if requested)	(Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE Addressee Authorized agent	BRIDGE KENDA) CO JOHN + CRISS KENDA) ARTICLE NUMBER ARTICLE NUMBER CERTIFIED COD P 360-030-465	Show to whom, date, and address of delivery RESTRICTED DELIVERY (The restricted delivery fee is charged in addition to the return receipt fee.) TOTAL \$	(CONSULT POSTMASTER FOR FEES) 1. The following service is requested (check one).	 SENDER: Complete items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse.
				Cu'L.	1 = Lais	Della	

1	()		POST	_		POSTMA NAL SER		OR FEES		Blads	PN	SIREE
360	173	LAGE	Post	RETU		EIPT SEF		SP	CERTIF	ROSE	STATE	SE
0 030 46	73	AM 27 15 PO	ROATE DE FEESTE TE TO THE SE	SHOW TO WHOM, DATE AND ADDRESS OF BELIVERY WITH	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DULIVERY	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	SHOW TO WHOM AND DATE DELIVERED	SPECIAL DELIVERY RESTRICTED DELIVERY	CERTIFIED FEE	oro PA	and Sparce St	KENDAI % CRISS
5	0	H.S.	8.52,100	7	a	0	е	0 0	•		Ī	Kod/

P 360 030 465
RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

Saavodana ve casa bantad of algenn ve casa bantad of algenn ve casa bantan of algenn ve casa bantad of algenn ve casa ban		OF SERVICE: GISTERED TRIFIED PRESS MAIL TRYS Obtain	Clay Development P.O. Box 386	(CONSULT POSTMASTER FOR FEES) The following service is requested (check one). Show to whom and date delivered	SENDER: Complete items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse.
N to 3 to BECEIVEN	alulas s	164-26H #	ड/व्ह		



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

FORM	PERFS	HOLES	SAND	H20	RATE*	ISIP	Co2	BRKD
5th Sand	2942-2978	16	59,000	633	26	1900	20tns	2500

OF MINES

WELL LOG

			T			ARKS
FORMATION COLO	OR HARD OR	SOFT	TOP FEET	BOTTOM FEET	Including indicand salt water	cation of all fresh, coal, oil and gas
SH	G	S	0	15		
SD	BR	M	15	130		HARLY .
SH	G	S	130	255		
SD	BR	M	255	460		
SH	G	S	460	529		
Coal	BL	S	529	537	H20 @ 529'	Coal
BD	W	Н	537	631		1
ВН	G	S	631	942		975 975 933 930
SD	W	Н	942	1035	Survey 10 mg	
SH	G	S	1035	1225		dia.
SD	W	H	1225	1360		
SH	G	S	1360	1520		
SD	W	Н	1520	1565		
SH	G	S	1565	1949		
Big Lime	G	H	1949	1990		
Big Injun	W	Н	1990	2094		
SH	G	S	2094	2496		
50 '	W	H	2496	2530		
30'	W	Н	2530	2606		
Gordon Stray	BR	M	2606	2716	in the second	医胃肠炎 (1)
Gordon	BR	M	2716	2840		
4th Sand	BR	M	2840	2900		
Sh	G	S	2900	2940		
5th Sand	W	Н	2940	2980	Gas @ TD Oc	dor-could not te
SH	G	S	2980	3106		
TD				3106		

(Attach separate sheets as necessary)

We	11 Operator			New York	
By:	alun	Soum	Revide	nt	
Date:	10-9-	84			

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 and, encountered in the drilling of a well."

3. 1.



OIL & GAS DIVISION DEPT. OF MINES



State of Mest Nirginia Bepartment of Mines Gil und Gas Bivision

Date	Oct.	9,	1984	4	
Operat Well N		Bal	sley	#	5
Farm	George	e Kei	ndal		

(Continue on reverse side)

-2916

API No. 47- 033

WELL OPERATO			N. D.	and had by
DRILLING, FRACTURING AND/OR STI	MULATING,	OR PHYSICA	L CHANGE	1 9 985
			OIL &	AS DIVISION
WELL TYPE: Oil X / Gas / Liquid Injecti (If "Gas," Production / Undergr	on/ Was	te Disposa ge/ Dee	P=// Sha	of MINES
LOCATION: Elevation: 1475 Watershed	West Forl	k River		
District: Clay County Har			e Clark	sburg 7½
COMPANY Hydrocarbon Energies, Inc.		,		
ADDRESS P. O. Drawer 976, Buckhannon	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Alvin Sorcan	Tubing	Drilling	in Well	Cu. ft.
ADDRESS Rt. 4, Box 444, Buckhannon	Size			
SURFACE OWNER George Kendal II	20-16 Cond.			
ADDRESS 609 Spring St. Fairmont, WV		30'	Pulle	1
MINERAL RIGHTS OWNER Josephin Balsley(et	a 1 9 5/8			
ADDRESS 717 Stout St., Bridgeport, WV	8 5/8	1103	1103	To surfac
OIL AND GAS INSPECTOR FOR THIS WORK Steve	7			200 sk
Casey ADDRESS Jane Lew	5 1/2			
PERMIT ISSUED 7-24-84	4 1/2		3045	to surfa
DRILLING COMMENCED 8-21-84	3		3047	560 sks
DRILLING COMPLETED 8-25-84	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON_	Liners			
GEOLOGICAL TARGET FORMATION 5th Sand		Dend	-h: 2011	0 feet
22.06	Rotary X			
Water strata depth: Fresh 529 feet;			10015_	23.75
Coal seam depths: 529			ed in the	area? Yes
hallom valores for the series for the first	_ 15 0011	Delling mun	a II. ule	area:
OPEN FLOW DATA				
Producing formation 5th Sand		zone dept		
Gas: Initial open flow Smell Mcf/d		tial open		
Final open flow 26 Mcf/d				6 Bbl/d
Time of open flow between ini-		Contract the Contract of the C		
Static rock pressure 475 psig(surface		ment) after	hou	rs shut in
(If applicable due to multiple completion				
Second producing formation				
Gas: Initial open flow Mcf/d			-	
Final open flow Mcf/d				
Time of open flow between ini-				
Static rock pressurepsig(surface	e measureme	ent) after_	hou	rs shut in

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

INSPECTOR'S WELL REPORTETT. OF MINES

Permit No. 30 ~ 6	57/6			Oil or	Gas Well
Company //	Go-Carbon	CASING AND TUBING	DRILLING	LEFT IN	PACKERS
Address		Size			
ParmO	ndall	16			Kind of Packer
Well No. Bo	alsley 5	13			
District Clae	County Harry				Size of
Drilling commenced_		6%			Depth set
Drilling completed	Total depth	5 3/16			
Date shot	Depth of shot	2			Perf. top
Initial open flow	/10ths Water in	Inch Liners Used			Perf. top
Open flow after tubing.	/10ths Merc. in	Inch			Perf. bottom
Volume		Cu. Ft. CASING CEMEN	TED 3/3		5. /103 (_No. FT
Rock pressure	lbs		10	. /	71 .
Oil	bbls., 1st 2	hrs. COAL WAS ENC	OUNTERED A	529	FEET 96 INCHES
Fresh water 529	feet				EETINCHES
Salt water	feet				EETINCHES
Drillers' Names 6	201				ZEIINCHES
*					
Remarks:	at 1590'				

5-24-84 BATE Steve Colocy
DISTRICT WELL INSPECTOR

DEPARTMENT OF MINES

OIL AND SAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No.				a) B Wel	1 No			
COMPANY		go men magazitati kanlar alar alar alar	ADDRESS					
PARM	(1) P. (1/19)	DISTRI	CTCOUNTY_					
Pilling Material Used	engen en e		85/3					
Liner Los	nation	Amoun	t Packer	Location				
PLUGS USED A	ND DEPTH PLACED		BAIDGES	CASIN	G AND TU	BING		
CEMENT-THICKNESS	WOOD-6128	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST		
	and the second s	***						
			and the same of th					
			Visit to the	8,				
			The Bow Load Mark Will					
	Company of Assessment of the				na phi p			
			interest in a soft					
	San San Maria		386.25	·				
75			C. C. C. C. C. Stand All Staff . Staff . Staff . Staff .					
Drillers' Names								
	The second secon	en e						
Remarks:								
			and the second s					
	Y handa and a	-1-14-3-1	hara mall an Alda Late					
DAYE	I hereby certify I	visited the s	above well on this date.					

DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

INSPECTOR'S WELL REPORDEPT. OF MINES

Permit New 25 ~ G // G			Oil	or Gas Well_	
Company Hydro-Carbon	CASING AND TUBING	DRILLING	LEFT IN	P	ACKERS
Address	Size				
Parm Sendal	16			Kind of I	Packer
Well No Balsley 5	10			Size of	
ristrict Cay County Hanc	81/4				
rilling commenced 8-22-84	6%	-,		Depth set	
rilling completedTotal depth	5 3/16			Parf ton	
ate shotDepth of shot	2				om
itial open flow/10ths Water inInch	Liners Used			Perf. top_	
pen flow after tubing/10ths Merc. inInch				Perf. bott	om
clumeCu. Ft.	CASING CEMEN	TED	SIZE	No. FT.	Dat
ck pressurehrshrs.	NAME OF SERV	VICE COMPAN	Ι¥		
bbls., 1st 24 hrs.	COAL WAS ENC	COUNTERED A	Т	FEET	INCHE
sh waterfeetfeet	FEET	INCHE	s	FEET	INCHES
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\$ 22-84 BATE Steve Casey

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

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Permit No. 33 - 2916

STATE OF WEST VIRGINIA

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. of MINES

						IND)	
Company Hyd	ro Carbon		CASING AND TUBING	DEILTING	LEFT IN	PA	CKERS
Address			Size		, ,		
Farm	endal		16			Kind of P	acker
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Drilling completed		3/6/.	5 3/16			Depth set	
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Steve Casles

DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

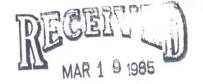
OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit Na		Charles and the charles of the second			Well No.						
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	I hereby certify I w	isited the ah	ove well on this date.								
DATE			The series words								

DISTRICT WELL INSPECTOR

FORM IV-36 [08-78]



OIL & GAS DIVISION DEPT. OF MINES

Date:	3-13	, 1985
Operator's Well No	Balsley #	5
API Well No	· 47 - 03 State Count	3 - 2916 y Permit

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

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

WELL OPE	ERATOR Hydroc	arbon En	ergies, Inc	. DESI	GNATED	AGENT Alvin	Sorcan	
Add	iress P.O.	Drawer 9	76		Addre	Route 4,	Box 444	
	Buckha	nnon, W.	Va. 26201				on, W. Va	. 26201
GEOLOGIC	CAL TARGET FORMAT	ION:	5th Sand			Depth	2940	feet
	* * * * * * * * * * * * * * * * * * *			Perforat:	ion In	terval 2942	- 2978	feet
GUIDELIN	ES FOR TESTING:							
1 - 2 - 3 - 4 -	A minimum of gas A 24 hour preflou Uniform producing) into pipel g rate durin lards as for	lines or tanks ng the 24 hour n Form TV-39	Panant of	A	7 Dec - 1 - 1 1	<u>e</u> Regulation	21.01)
	START OF TEST-DATE	TIME	END OF TEST-	ST DATA	IME	DURATION OF TE	-	
	2-22-85		2-28-85			7 Days		
	TUBING PRESSURE	CASING PRES		OR PRESSURE	S	EPARATOR TEMPERATURE 40		
	OIL PRODUCTION DUR				R PROD	UCTION DURING TEST &	SALINITY	
	OIL GRAVITY	bbls.		Mcf		hhls	222	
	.46	*AP	Flo	wing and	Pum	umping, gas lift, etc ping	5.7	
			CAS DE	OCUCTION		-	And the second second second second	
	MEASUREMENT METHOD			RODUCTION	POSI	TIVE CHOKE		
	ORIFICE DIAMETER	FIPE TAP				ICAL FLOW PROVER		
		3/8	PIPE DIAMETER	(INSIDE DIA inch	(M.)	NOMINAL CHOKE SIZE -	IN.	
	DIFFERENTIAL PRESSL	IRE RANGE	MAX. STATIC P	RESSURE RANG	E F	PROVER & ORIFICE DIAM	1 IN.	
	DIFFERENTIAL		STATIC			GAS GRAVITY (Air-1.0)		
	GAS GRAVITY (Air-I.	0)	FLOWING TEMPE	DATUDE	N	MEASUREDESTIM		
	.65		TEOWING TEMPE	- TORE		GAS TEMPERATURE	• F	-
	24 HOOK COEFFICIENT				2	24 HOUR COEFFICIENT		
					F	PRESSURE -	psia	
	DAILY OIL	DAILY WATE	TEST	RESULTS				
	6.5 bbls.	None	bbls.	DAILY GAS	Mo	GAS-OIL RATIO	SCFATE	
. =		1,0110		10	7		3CF/\$1E	
				Ž4	pdro	carbon Ener	gies In	c.
				V		and a port and		
			*1	Ву:	a	Unin Some	ar	
				Its:	/	resident		

WAR 1 9 988 OIL & GAS DIVISION

MECETALED)

OLEPT. OF MINES

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State of West Virginia Department of Mines (Oil and Gas Division Charleston 25305 May 30, 1984

THEODORE M. STREIT **ADMINISTRATOR**

DIRECTOR

WALTER N. MILLER

Hydrocarbon Energies, Inc. P.O. Box 976 Buckhannon, W.Va. 26201

In Re:	PERMIT NO:	HAR-2916
	FARM:	P.K. Balsly Heirs
	WELL NO:	Five
	DISTRICT:	Clay
	COUNTY:	Harrison
	ISSUED:	7–18–83

Gentlemen:

The FINAL INSPECTION REPORT for the above captioned well has been received in this office. Only the column checked below applies:

The well designated by the above permit number has been released under your Blanket Bond. (PERMIT CANCELLED - NEVER DRILLED)

Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

Your well record was received and reclamation requirements approved. accordance with Chapter 22, Article 4, Section 2, the above captioned wel will remain under bond coverage for life of the well.

Very truly yours,

Theodore M. Streit, Administrator

Office of Oil & Gas - Dept. Mines

Received for Recording	Lease #	j.
Recorded	Map Ref	
Book Pg	Renewal #	
BOOK1117 PAGE 452	Expires	
	and GAS LEASE	
THIS AGREEMENT made and entered into	this the 5th day of Ju	ıly ,
19 82 , by and betweenMargueri	te Balsley (widow)	
	HYDROCARBON ENERG	
hereinafter called Lessor (whether one or more), an hereinafter called Lessee,	BUCKHANNON, WV	26201
WITNESSETH, that said Lessor, in consider acknowledged, and of the covenants hereinafter of granted, demised, leased and let, exclusively unto rights of drilling, producing, and otherwise operastations, and electric power lines, houses for valves, necessary, incident to or convenient for the operations.	ontained on the part of said Lessee, to Lessee, with covenants of general warn ting for oil and gas, and of laying pi meters, regulators and other appliances tion of this land alone and cojointly with	o be paid, kept and performed, has ranty, for the purpose and with the ipe lines and building tanks, roads, s, with all other rights and privileges th neighboring lands, all that certain
tract of land situate in the Township of	lay District , Cou	nty of Harrison,
State of West Virginia, and bo	unded substantially as follows:	MILE CAND
On the North by lands of Minnie Bic	е	JUN - 6 1983
On the East by lands ofLister		
On the South by lands of Stone		OIL & GAS DIVISION
On the West by lands of Kourpas		DEPT. OF MINES
and containing, for the purpose of calculating a	rentals, 101	acres of land whether actually
containing more or less; and part of all of said land	is described in that certain deed to Les	sor from
Phoebe Kate Balsle	dated	1-27-19
recorded in Book285	, Page466	_, in the Recorder's Office of said
County, it heing the intent of Lesson to include all 1. It is agreed that this lease shall remain		
from the date hereof and as long thereafter as the s 2. (a) Lessee covenants and agrees to s line to which said Lessee may connect its wells, leased premises	said land is operated by Lessee in the prodeliver to the credit of Lessor, his heirs a royalty of one-eighth (1/8) of national ay Lessor as a royalty for the native gas used to one-eighth (1/8) of the gross production.	s or assigns, free of costs, in the pipe we oil produced and saved from the sfrom each and every well drilled on occeds received from the sale of same
3. Lesser agrees to pay Les mount of (\$1500.00) Fifteen be deduced to Lessor through the product tem 2 above. In the event of ell on premises, the Lessee sental or royalty payments for his one year period the lease	dundred Dollars advance ted from the initial ion of oil and/or gas, completion of a comme shall hold the lease is a term of one year.	ed royalty. The royalty checks due as described in erically unproductive n full force, without At the expiration of
4. 1/6 of All payments under this lease sh	all be made by check or voucher to the	order ofBend
Marguerite Balsley		
46615 until the I	essee shall have written notice from	the Lessor, its heirs or assigns, ac-
companied by original or certified copies of decownership directing payments to be made otherwin accordance with such direction shall absolve the of royalty are to be made according to Lessor's a forfeited for Lessee's failure to pay any rentals or default and shall fail, for a period of thirty (30) day	eds or other documents as Lessee may vise, and any payments made as above e Lessee from any liability to any heir of respective interests therein, as hereafter royalties until Lessee has received writing	e until such direction, and thereafter or assign of the Lessor. All payments r set forth, and this lease shall not be ten notice by registered mail of such

STATE

- Lessor excepts and reserves a total amount of 200,000 cubic feet of gas annually or such part thereof as Lessor may use each year from the gas that Lessee may hereafter produce or otherwise have available from one gas production well completed and operated by Lessee hereunder upon the leased premises, which said amount of 200,000 cubic feet of gas per year Lessor shall be entitled to receive free of cost for heat and light in one dwelling house on the leased premises when and as long as Lessee may elect to produce or operate a well for the aforesaid purposes upon the leased premises, by Lessor laying the necessary lines and making connections at Lessor's cost at such point on the demised premises as may be designated by the Lessee, provided said gas is used with economical appliances and is measured by meter furnished by Lessee. The regulation of such gas will be by regulators furnished by Lessor, and approved by Lessee, placed at a point designated by Lessee, with said gas to be used at Lessor's own risk and Lessee not to be in any way liable for any interruption or insufficient supply of such gas for said domestic use caused by pumping stations, breakage of lines or otherwise, and nothing herein shall prevent the Lessee from abandoning any well or wells or pipelines on the leased premises and removing the pipe therefrom at any time. If more than 200,000 cubic feet per year is used, the excess shall be paid for at the rate charged to domestic consumers in the same area, and in case of default in payment for gas used in excess of said 200,000 cubic feet, Lessee is hereby authorized to deduct the amount thereof from any royalty or other payments that are then due, or may later become due, under the terms of this lease.
- In addition to the covenants of general warranty hereinabove contained, Lessor further covenants and agrees, that if Lessor's title to the leased premises shall come into dispute or litigation, or, if, in the judgment of Lessee, there are bona fide adverse claims to the rentals or royalties hereinabove provided for, then Lessee, at its option, may withhold the payment of said rentals or royalties until final adjudication or other settlement of such dispute, litigation, claim or claims; and that Lessee, at its option, may pay and discharge any taxes, mortgages or other lien or liens, existing, levied, assessed or which may hereafter come into existence or be levied or assessed on or against the leased premises, and, in the event it exercises such option, Lessee shall be subrogated to the lien and any and all rights of any holder or holders thereof, and may reimburse itself by applying to the discharge of any such mortgage, tax, or other lien or liens, any rental or royalty accruing hereunder.
- 7. If an when drilling or other operations hereunder are delayed or interrupted by lack of water, labor or material, or by fire, storm, flood, war, rebellion, insurrection, riot, strike, differences with workmen, or failure of carriers to transport or furnish facilities for transportation, or as a result of some order, rule, regulation, requisition or necessity of the government, or as the result of any other cause whatsoever beyond the control of Lessee, the time of such delay or interruption shall not be counted against Lessee, anything in this lease to the contrary notwithstanding. All express or implied covenants of this lease shall be subject to all Federal and State Laws, Executive Orders, Rules or Regulations, and this lease shall not be terminated, in whole or in part, nor Lessee held liable in damages for failure to comply therewith, if compliance is prevented by, or if such failure is the result of any such Law, Order, Rule or Regulation.
- Lessee shall have the right at any time during the term of this lease or after the expiration or termination thereof to remove all machinery, fixtures, pipe lines, houses, buildings, and other structures placed on said premises, including the right to pull and remove all casing and tubing.
- If the Lessee shall begin operations for the commencement of a well during the term of this lease or any extension thereof, the Lessee shall then have the right to complete the drilling of such wells, and if oil or gas or either of them be found in paying quantities, this lease shall continue and be in force and with like effect as if such well had been completed within the term first herein mentioned.
- Lessee shall have the right to assign this lease or any interest and the assignee of Lessee shall have corresponding rights, privileges, and obligations with respect to said royalties and rentals as to the acreage assigned to it.
- Lessee shall upon completion of the first productive well upon said premises make a diligent effort to obtain a pipeline connection but any delay shall not be counted against the Lessee provided Lessee shall resume delay rental payments for quarterly periods, beginning one year from the date that the first productive well shall be completed until said first well shall be connected to a pipeline.
- Lessee may, at any time during the term hereof, cancel and surrender this lease, and be relieved of any and all obligations, payments and liabilities thereafter to accrue as to the leased premises, by the mailing of a notice of such surrender, and a check covering all rentals, if any, due up to the date of such cancellation or surrender.
- It is agreed that said Lessee may drill or not drill on said land as it may elect, and the consideration and rentals paid and to be paid hereunder constitute adequate compensation for such privilege.
- It is agreed that said Lessee shall have the privilege of using free of charge sufficient water, oil and gas from the said premises to run all machinery necessary for drilling and operations thereon, and at any time to remove all machinery and fixtures placed on said premises.
- No well shall be drilled by Lessee within 200 feet of the dwelling house or barn now on said premises, 15. except by consent of Lessor.
- The leased premises may be fully and freely used by Lessor for any purpose, excepting such parts as are 16 used by Lessee in operation hereunder.
- Lessee shall pay Lessor for all damages to growing crops, fences or trees caused by Lessee's operations and shall bury all permanent pipelines below plow depth through cultivated areas upon request of Lessor or within preasonable length of time thereafter.
- This instrument may be executed in counterparts each having the same validity as if the original should any one or more of the parties named as Lessor fail to execute this lease, it shall nevertheless be binding upon all such parties who do execute it as Lessor.

For the purpose of conserving the interest of the parties hereto and protecting said premises, and the oil or which the same are included from unnecessary and wasteful drilling and undue depletion of its resources, ante to the Lessee, its heirs and assigns, the right to consolidate the above described premises or any part preof at the option of Lessee with others to form a unit not to exceed 640 acres for development to the same effect as if premises together with others in the area had been jointly leased by various Lessee to the Lessee as a single undivided such event besser agrees to accept in lieu of the royalty hereinbefore recited, such proportion of one-eighth pil or gas marketed from the unitized area as his creage included therein bears to the total acreage of the lesser may give notice to Lessor of such consolidation by mail to the above address or by filing a declaration properties so consolidated or unitized

This lease covers one sixth interest in the above described tract.

All the terms, conditions, limitations and covenants herein contained shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, successors, personal representatives and assigns, but no representations

other than those herein contained shall be binding on either party. IN WITNESS WHEREOF, the parties to this agreement have hereunto set their hands and seals the day and year first above written. (Seal) (Seal) (Seal) Alvin Sorcan; President STATE OF WEST VIRGINIA I, Louis A. Ferrari, a Notary Public in and for the County of Upshur

COUNTY OF UPSHUR

and State aforesaid, do certify that Alvin Sorcan (President-Hydrocarbon Energies, whose name has signed to the writing above, bearing date the 5th day of Tily 1982, has this day acknowledged the same before me in my said County and State aforesaid: Given under my hand and Official Seal this 15 day of August, 198 2. My Commission Expires Dec. 15, 1990.

Received for Recording	Lease #
Recorded	Map Ref.
Book Pg	Renewal #
	Expires
BOOK 1117 PAGE 456 OIL an	d GAS LEASE
THIS AGREEMENT made and entered into thi	sthe5th_ day ofJuly,
19_82_, by and betweenMaude B. Ta	ylor and David D. Taylor (husband)
	HYDROCARBON ENERGIES, INC.
hereinafter called Lessor (whether one or more), and hereinafter called Lessee,	64 1/2 E. MAIN STREET, P.O. DRAWER 976 BUCKHANNON, WV 26201
acknowledged, and of the covenants hereinafter cont granted, demised, leased and let, exclusively unto Les rights of drilling, producing, and otherwise operating stations, and electric power lines, houses for valves, me	on of the sum of ONE DOLLAR (\$1.00), the receipt of which is hereby tained on the part of said Lessee, to be paid, kept and performed, has ssee, with covenants of general warranty, for the purpose and with the g for oil and gas, and of laying pipe lines and building tanks, roads, eters, regulators and other appliances, with all other rights and privileges and this land alone and cojointly with neighboring lands, all that certain
tract of land situate in the Township ofC	lay District , County of Harrison ,
State ofWest Virginia, and bound	ied substantially as follows:
On the North by lands of Minnie Bic	e
On the East by lands of Lister	
On the South by lands of Stone	
On the West by lands of Kourpas	
and containing, for the purpose of calculating rent	tals, acres of land whether actually
containing more or less; and part of all of said land is of	described in that certain deed to Lessor from
Phoebe Kate Balsley	dated1-27-19
recorded in Book285	, Page 466, in the Recorder's Office of said
2. (a) Lessee covenants and agrees to deliline to which said Lessee may connect its wells, a leased premises. (b) Lessee covenants and agrees to pay I	n force for a primary term of
at the prevailing price for gas sold at the well, for all r	native gas saved and marketed from the said premises, payable quarterly.
mount of (\$1500.00) Fifteen Hundvance royalty shall be deducted to Lessor through the production tem 2 above. In the event of cell on premises, the Lessee shall be the control of the Lessee shall be the control of the Lessee shall be the Lessee shall be the control of the control	or, in their proportionalte shares, an ndred Dollars advanced royalty. The ed from the initial royalty checks due n of oil and/or gas, as described in completion of a commerically unproductive all hold the lease in full force, without a term of one year. At the expiration of shall become null and void.
	be made by check or voucher to the order of
Maude B. Taylor , ma	ailed to 314 Spring Ave, Clarksburg, WV
companied by original or certified copies of deeds ownership directing payments to be made otherwise, in accordance with such direction shall absolve the Le of royalty are to be made according to Lessor's response	see shall have written notice from the Lessor, its heirs or assigns, ac- or other documents as Lessee may require evidencing such change of , and any payments made as above until such direction, and thereafter essee from any liability to any heir or assign of the Lessor. All payments ective interests therein, as hereafter set forth, and this lease shall not be valties until Lessee has received written notice by registered mail of such after receipt of such notice to pay same.

- Lessor excepts and reserves a total amount of 200,000 cubic feet of gas annually or such part thereof as Lessor may use each year from the gas that Lessee may hereafter produce or otherwise have available from one gas production well completed and operated by Lessee hereunder upon the leased premises, which said amount of 200,000 cubic feet of gas per year Lessor shall be entitled to receive free of cost for heat and light in one dwelling house on the leased premises when and as long as Lessee may elect to produce or operate a well for the aforesaid purposes upon the leased premises, by Lessor laying the necessary lines and making connections at Lessor's cost at such point on the demised premises as may be designated by the Lessee, provided said gas is used with economical appliances and is measured by meter furnished by Lessee. The regulation of such gas will be by regulators furnished by Lessor, and approved by Lessee, placed at a point designated by Lessee, with said gas to be used at Lessor's own risk and Lessee not to be in any way liable for any interruption or insufficient supply of such gas for said domestic use caused by pumping stations, breakage of lines or otherwise, and nothing herein shall prevent the Lessee from abandoning any well or wells or pipelines on the leased premises and removing the pipe therefrom at any time. If more than 200,000 cubic feet per year is used, the excess shall be paid for at the rate charged to domestic consumers in the same area, and in case of default in payment for gas used in excess of said 200,000 cubic feet, Lessee is hereby authorized to deduct the amount thereof from any royalty or other payments that are then due, or may later become due, under the terms of this lease.
- 6. In addition to the covenants of general warranty hereinabove contained, Lessor further covenants and agrees, that if Lessor's title to the leased premises shall come into dispute or litigation, or, if, in the judgment of Lessee, there are bona fide adverse claims to the rentals or royalties hereinabove provided for, then Lessee, at its option, may withhold the payment of said rentals or royalties until final adjudication or other settlement of such dispute, litigation, claim or claims; and that Lessee, at its option, may pay and discharge any taxes, mortgages or other lien or liens, existing, levied, assessed or which may hereafter come into existence or be levied or assessed on or against the leased premises, and, in the event it exercises such option, Lessee shall be subrogated to the lien and any and all rights of any holder or holders thereof, and may reimburse itself by applying to the discharge of any such mortgage, tax, or other lien or liens, any rental or royalty accruing hereunder.
- 7. If an when drilling or other operations hereunder are delayed or interrupted by lack of water, labor or material, or by fire, storm, flood, war, rebellion, insurrection, riot, strike, differences with workmen, or failure of carriers to transport or furnish facilities for transportation, or as a result of some order, rule, regulation, requisition or necessity of the government, or as the result of any other cause whatsoever beyond the control of Lessee, the time of such delay or interruption shall not be counted against Lessee, anything in this lease to the contrary notwithstanding. All express or implied covenants of this lease shall be subject to all Federal and State Laws, Executive Orders, Rules or Regulations, and this lease shall not be terminated, in whole or in part, nor Lessee held liable in damages for failure to comply therewith, if compliance is prevented by, or if such failure is the result of any such Law, Order, Rule or Regulation.
- 8. Lessee shall have the right at any time during the term of this lease or after the expiration or termination thereof to remove all machinery, fixtures, pipe lines, houses, buildings, and other structures placed on said premises, including the right to pull and remove all casing and tubing.
- 9. If the Lessee shall begin operations for the commencement of a well during the term of this lease or any extension thereof, the Lessee shall then have the right to complete the drilling of such wells, and if oil or gas or either of them be found in paying quantities, this lease shall continue and be in force and with like effect as if such well had been completed within the term first herein mentioned.
- 10. Lessee shall have the right to assign this lease or any interest and the assignee of Lessee shall have corresponding rights, privileges, and obligations with respect to said royalties and rentals as to the acreage assigned to it.
- 11. Lessee shall upon completion of the first productive well upon said premises make a diligent effort to obtain a pipeline connection but any delay shall not be counted against the Lessee provided Lessee shall resume delay rental payments for quarterly periods, beginning one year from the date that the first productive well shall be completed until said first well shall be connected to a pipeline.
- 12. Lessee may, at any time during the term hereof, cancel and surrender this lease, and be relieved of any and all obligations, payments and liabilities thereafter to accrue as to the leased premises, by the mailing of a notice of such surrender, and a check covering all rentals, if any, due up to the date of such cancellation or surrender.
- 13. It is agreed that said Lessee may drill or not drill on said land as it may elect, and the consideration and rentals paid and to be paid hereunder constitute adequate compensation for such privilege.
- 14. It is agreed that said Lessee shall have the privilege of using free of charge sufficient water, oil and gas from the said premises to run all machinery necessary for drilling and operations thereon, and at any time to remove all machinery and fixtures placed on said premises.
- 15. No well shall be drilled by Lessee within 200 feet of the dwelling house or barn now on said premises, except by consent of Lessor.
- 16. The leased premises may be fully and freely used by Lessor for any purpose, excepting such parts as are used by Lessee in operation hereunder.
- 17. Lessee shall pay Lessor for all damages to growing crops, fences or trees caused by Lessee's operations and shall bury all permanent pipelines below plow depth through cultivated areas upon request of Lessor or within pressonable length of time thereafter.
- 18. This instrument may be executed in counterparts each having the same validity as if the original should any one or more of the parties named as Lessor fail to execute this lease, it shall nevertheless be binding upon all such parties who do execute it as Lessor.

ATE

for the purpose of conserving the interest of the parties here o and protecting said premises, and the oil or gas field within which the same are included from unnecessary and wastern drilling and undue depletion of its resources, Lessor further grants to the Lessee his heirs and assigns, the right to consolidate the above described premises or any part thereof at the option of Lessee with others to form a unit not to exceed 540 acres for development to the same effect as if said premises together with others in the area had been jointly leased by various Dessors to the Lessee as a single undivided tract and in such event Lessor agrees to accept in lieu of the royalty herein before recited, such proportion of one eighth (I/8) of the oil or gas marketed from the unfixed area as his acreage included therein bears to the total acreage of the unitized area. Lessee may give notice to be sort of such consolidation by mail to the above andress or by filing a declaration of record describing the properties so consolidated or unitized.

This lease covers one interest in the above described tract.

All the terms, conditions, limitations and covenants herein contained shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, successors, personal representatives and assigns, but no representations other than those herein contained shall be binding on either party. IN WITNESS WHEREOF, the parties to this agreement have hereunto set their hands and seals the day and year first above written. (Seal) (Seal) Attest: Hydrocarbon Energies President STATE OF WEST VIRGINIA COUNTY OF UPSHUR I, Louis A. Ferrari, a Notary Public in and for the County of Upshur and State aforesaid, do certify that Alvin Sorcan (President-Hydrocarbon Energies, Inc. whose name has signed to the writing above, bearing date the 5th day of July 1982, has this day acknowledged the same before me in my said County and State aforesaid. Given under my hand and Official Seal this ____ day of My Commission Expires Dec. 15, 1990.

Received for Recording	Lease #
Recorded	Map Ref.
Book Pg	Renewal #
	Expires
BOOK1117 PAGE 448 THIS AGREEMENT made and entered into this	d GAS LEASE sthe _5th _ day ofJuly
19_82, by and betweenJosephine	Balsley (widow)
hereinafter called Lessee,	HYDROCARBON ENERGIES, INC. 64 1/2 E. MAIN STREET, P.O. DRAWER 976 BUCKHANNON, WV 26201 on of the sum of ONE DOLLAR (\$1.00), the receipt of which is hereby
acknowledged, and of the covenants hereinafter contagranted, demised, leased and let, exclusively unto Lesrights of drilling, producing, and otherwise operating stations, and electric power lines, houses for valves, menecessary, incident to or convenient for the operation	ained on the part of said Lessee, to be paid, kept and performed, hat see, with covenants of general warranty, for the purpose and with the ground for oil and gas, and of laying pipe lines and building tanks, roads ters, regulators and other appliances, with all other rights and privilege of this land alone and cojointly with neighboring lands, all that certain
	Clay District , County of Harrison
State ofWest Virginia, and bounded	ed substantially as follows:
On the North by lands of Minnie Bice	2
On the East by lands of Lister Bice	2
On the South by lands ofStone	
On the West by lands of Kourpas	
and containing, for the purpose of calculating renta	als 101 acros of land whether actually
Phoebe Kate Balsley	escribed in that certain deed to Lessor from
	, Page 466 , in the Recorder's Office of said
1. It is agreed that this lease shall remain in from the date hereof and as long thereafter as the said la 2. (a) Lessee covenants and agrees to delive line to which said Lessee may connect its wells, a roleased premises. (b) Lessee covenants and agrees to pay Lessaid premises producing native gas, an amount equal to	force for a primary term of
dvance royalty shall be deducted to Lessor through the production tem 2 above. In the event of coell on premises, the Lessee shall	r, in their proportionalte shares, an dred Dollars advanced royalty. The from the initial royalty checks due of oil and/or gas, as described in empletion of a commerically unproductive hold the lease in full force, without term of one year. At the expiration of all become null and void.
4. 1/6 of All payments under this lease shall be	made by check or voucher to the order of
Josephine Balsley , maile	ed to 717 Stout St., Bridgeport, WV
companied by original or certified copies of deeds or ownership directing payments to be made otherwise, ar in accordance with such direction shall absolve the Less of royalty are to be made according to Lessor's respect	shall have written notice from the Lessor, its heirs or assigns, ac- other documents as Lessee may require evidencing such change of nd any payments made as above until such direction, and thereafter ee from any liability to any heir or assign of the Lessor. All payments tive interests therein, as hereafter set forth, and this lease shall not be

- Lessor excepts and reserves a total amount of 200,000 cubic feet of gas annually or such part thereof as Lessor may use each year from the gas that Lessee may hereafter produce or otherwise have available from one gas production well completed and operated by Lessee hereunder upon the leased premises, which said amount of 200,000 cubic feet of gas per year Lessor shall be entitled to receive free of cost for heat and light in one dwelling house on the leased premises when and as long as Lessee may elect to produce or operate a well for the aforesaid purposes upon the leased premises, by Lessor laying the necessary lines and making connections at Lessor's cost at such point on the demised premises as may be designated by the Lessee, provided said gas is used with economical appliances and is measured by meter furnished by Lessee. The regulation of such gas will be by regulators furnished by Lessor, and approved by Lessee, placed at a point designated by Lessee, with said gas to be used at Lessor's own risk and Lessee not to be in any way liable for any interruption or insufficient supply of such gas for said domestic use caused by pumping stations, breakage of lines or otherwise, and nothing herein shall prevent the Lessee from abandoning any well or wells or pipelines on the leased premises and removing the pipe therefrom at any time. If more than 200,000 cubic feet per year is used, the excess shall be paid for at the rate charged to domestic consumers in the same area, and in case of default in payment for gas used in excess of said 200,000 cubic feet, Lessee is hereby authorized to deduct the amount thereof from any royalty or other payments that are then due, or may later become due, under the terms of this lease.
- 6. In addition to the covenants of general warranty hereinabove contained, Lessor further covenants and agrees, that if Lessor's title to the leased premises shall come into dispute or litigation, or, if, in the judgment of Lessee, there are bona fide adverse claims to the rentals or royalties hereinabove provided for, then Lessee, at its option, may withhold the payment of said rentals or royalties until final adjudication or other settlement of such dispute, litigation, claim or claims; and that Lessee, at its option, may pay and discharge any taxes, mortgages or other lien or liens, existing, levied, assessed or which may hereafter come into existence or be levied or assessed on or against the leased premises, and, in the event it exercises such option, Lessee shall be subrogated to the lien and any and all rights of any holder or holders thereof, and may reimburse itself by applying to the discharge of any such mortgage, tax, or other lien or liens, any rental or royalty accruing hereunder.
- 7. If an when drilling or other operations hereunder are delayed or interrupted by lack of water, labor or material, or by fire, storm, flood, war, rebellion, insurrection, riot, strike, differences with workmen, or failure of carriers to transport or furnish facilities for transportation, or as a result of some order, rule, regulation, requisition or necessity of the government, or as the result of any other cause whatsoever beyond the control of Lessee, the time of such delay or interruption shall not be counted against Lessee, anything in this lease to the contrary notwithstanding. All express or implied covenants of this lease shall be subject to all Federal and State Laws, Executive Orders, Rules or Regulations, and this lease shall not be terminated, in whole or in part, nor Lessee held liable in damages for failure to comply therewith, if compliance is prevented by, or if such failure is the result of any such Law, Order, Rule or Regulation.
- 8. Lessee shall have the right at any time during the term of this lease or after the expiration or termination thereof to remove all machinery, fixtures, pipe lines, houses, buildings, and other structures placed on said premises, including the right to pull and remove all casing and tubing.
- 9. If the Lessee shall begin operations for the commencement of a well during the term of this lease or any extension thereof, the Lessee shall then have the right to complete the drilling of such wells, and if oil or gas or either of them be found in paying quantities, this lease shall continue and be in force and with like effect as if such well had within the term first herein mentioned.
- 10. Lessee shall have the right to assign this lease or any interest and the assignee of Lessee shall have corresponding rights, privileges, and obligations with respect to said royalties and rentals as to the acreage assigned to it.
- 11. Lessee shall upon completion of the first productive well upon said premises make a diligent effort to obtain a pipeline connection but any delay shall not be counted against the Lessee provided Lessee shall resume delay rental payments for quarterly periods, beginning one year from the date that the first productive well shall be completed until said first well shall be connected to a pipeline.
- 12. Lessee may, at any time during the term hereof, cancel and surrender this lease, and be relieved of any and all obligations, payments and liabilities thereafter to accrue as to the leased premises, by the mailing of a notice of such surrender, and a check covering all rentals, if any, due up to the date of such cancellation or surrender.
- 13. It is agreed that said Lessee may drill or not drill on said land as it may elect, and the consideration and rentals paid and to be paid hereunder constitute adequate compensation for such privilege.
- 14. It is agreed that said Lessee shall have the privilege of using free of charge sufficient water, oil and gas from the said premises to run all machinery necessary for drilling and operations thereon, and at any time to remove all machinery and fixtures placed on said premises.
- 15. No well shall be drilled by Lessee within 200 feet of the dwelling house or barn now on said premises, except by consent of Lessor.
- 16. The leased premises may be fully and freely used by Lessor for any purpose, excepting such parts as are used by Lessee in operation hereunder.
- 17. Lessee shall pay Lessor for all damages to growing crops, fences or trees caused by Lessee's operations and shall bury all permanent pipelines below plow depth through cultivated areas upon request of Lessor or within presentable length of time thereafter.
- 18. This instrument may be executed in counterparts each having the same validity as if the original should any one or more of the parties named as Lessor fail to execute this lease, it shall nevertheless be binding upon all such parties who do execute it as Lessor.

19. For the purpose of conserving the interest of the parties hereto and protecting said premises, and the oil or gas field within which the same are included from unnecessary and wasteful drilling and undue depletion of its resources, Lesser further grants to the Lessee, its heirs and assigns, the right to consolidate the above described premises or any part thereof at the option of Lessee with others to form a unit not to exceed 640 acres for development to the same effect as if said premises together with others in the area had been jointly leased by various Lessors to the Lessee as a single undivided trace and in such event Lessor agrees to accept, in lieu of the royalty hereinbefore recited, such proportion of one-eighth (1/8) of the oil or gas marketed from the untized area as his acreage included therein bears to the total acreage of the unitized area. Lessee may give notice to Lessor of each consolidation by mail to the above address or by filing a declaration of record describing the properties so consolidated or unitized.

SIXTH J.VB

This lease covers one half interest in the above described tract.

All the terms, conditions, limitations and covenants herein contained shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, successors, personal representatives and assigns, but no representations other than those herein contained shall be binding on either party.

IN WITNESS WHEREOF, the parties to this agreement have hereunto set their hands and seals the day and year first above written. Josephine Balality (Seal) _ (Seal) ___ (Seal) Hydrocarbon Energies, Inc. Attest: Alvin Sorcan; President STATE OF WEST VIRGINIA COUNTY OF UPSHUR I, Louis A. Ferrari, a Notary Public in and for the County of Upshur and State aforesaid, do certify that Alvin Sorcan (President-Hydrocarbon Energies, Inc. whose name has signed to the writing above, bearing date the 5th day of July, 1982, has this day acknowledged the same before me in my said County and State of foresaid. Given under my hand and Official Seal this 5th day of July My Commission Expires Dec. 15, 1990.

7. UNABLE TO DELIVER BECAUSE:	6. ADDRESSEE'S ADDRESS (Only if requested)	DATE OF DELIVERY	SIGNATURE Addressee Aut	(Always obtain signature of	TYPE OF SERVICE: CONTROL INSURED INSURED COD COD		GEORGE KENDA	1	Add your address in the "RETURN TO on reverse. (CONSULT POSTMASTER FOR FEES) 1. The following service is requested (check one). Show to whom and date delivered
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RECEIVED
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OIL & GAS DIVISION
DEPT. OF MINES

