

0G-10 9-71



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

JUN 1 8 1981

OIL and GAS DIVISION WELL RECORD

OIL & GAS DIVISION DEPT. OF MINES

Quadrangle	Oxford 7.5'
Permit No.	47-017-2793

Rotary XX	011
Cable	Gas_XX
Recycling	Comb
WaterFlood	Storage
Disposal	
	(Kind)

Address P. O. Box 1740, Clarksburg, V		Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Location (water) Cabin Run	3, 03	Size			
	ev. 10491	20-16			- CONTRACTOR CONTRACTO
			251	251	Military and the state of the s
District Central County [Cond. 11 3/4			
The surface is owned in fee by Cliffo	ora Lioya	13-10"			ne Fernanda
		9 5/8	1007 451	1007 451	w/350 sks.to surface
Address Rt. Box 221, West Union, W			1223.451	1223.45	W/350 SKS. TO SUITACE
Mineral rights are owned by Leggett		7			va V
Address Rt. 2 Box 178,					
Drilling Commenced May 18, 1981		4 1/2	5316.57	5316.571	w/600 sks. 1700'
Drilling Completed May 29, 1981		3			.
initial open flow 107,000 cu.ft.	bbls.				
Final production 1,393M cu.ft.per d	aybbls.	, Liners Used			
Well open 4 hrs before test	1750# RP。				
Well treatment details: Alexander sand treated w/500 gal 15% Benson sand treated w/ 500 gal 15% H	HCL 810 b	Attach copy bis fluid 60,	000# 20/40		1,393 MCF
Benson sand Treated W/ 300 gal 13% h	CL 640 DDT.	5 11414 00,00	70# 207 40		
		F 1		Inche	
Coal was encountered at None		Feet	٠.		Feet
Fresh water 72' & 1938'	Feet				1 66 1
Producing Sand Alexander and Bens				Depth	
5248-87 480	8-12				
	. //				
		-	·		
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas	s or Water	*Remarks
***************************************	ν	Bottom Feet 8	Oil, Gas		*Remarks
Top Soil	Top Feet				*Remarks
Top Soil R. Rock	Top Feet 0 8	8 35			*Remarks
Top Soil R. Rock Sand & Shale	Top Feet 0 8 35	8 35 125			*Remarks
Top Soil R. Rock Sand & Shale R. Rock	Top Feet 0 8 35 125	8 35 125 210			*Remarks
Top Soil R. Rock Sand & Shale R. Rock Sand & Shale	Top Feet 0 8 35 125 210	8 35 125 210 300	Hole dam	₽ € 72 '	
Top Soil R. Rock Sand & Shale R. Rock Sand & Shale R Rock	Top Feet 0 8 35 125 210 300	8 35 125 210 300 320	Hole dam	p € 72') Show
Top Soil R. Rock Sand & Shale R. Rock Sand & Shale R Rock Sand & Shale	Top Feet 0 8 35 125 210 300 320	8 35 125 210 300 320 324	Hole dam; Gas ck. (e 1847' no am H ₂ 0 e 1	o show 9381
Top Soil R. Rock Sand & Shale R. Rock Sand & Shale R Rock Sand & Shale R Rock Sand & Shale	Top Feet 0 8 35 125 210 300 320 324	8 35 125 210 300 320 324 360	Gas ck. (1/2 stre	e 1847' no am H ₂ 0 e 1 e 2595' 12	show 938' 4,000 CF
Top Soil R. Rock Sand & Shale R. Rock Sand & Shale R Rock Sand & Shale R Rock Sand & Shale R. Rock	Top Feet 0 8 35 125 210 300 320 324 360	8 35 125 210 300 320 324 360 512	Gas ck. (1/2 stre	@ 1847' nc am H ₂ 0 @ 1 @ 2595' 12	o show 938' 24,000 CF 87,800 CF
Top Soil R. Rock Sand & Shale R. Rock Sand & Shale R Rock Sand & Shale R Rock Sand & Shale	Top Feet 0 8 35 125 210 300 320 324 360 512	8 35 125 210 300 320 324 360 512 601	Gas ck. (1/2 stre Gas ck. (" "	@ 1847' nc am H ₂ 0 @ 1 @ 2595' 12 " 3001' 8 " 4002' 7	o show 938' 24,000 CF 87,800 CF 76,000 CF
Top Soil R. Rock Sand & Shale R. Rock Sand & Shale R Rock Sand & Shale R Rock Sand & Shale R. Rock	Top Feet 0 8 35 125 210 300 320 324 360 512 601	8 35 125 210 300 320 324 360 512 601 750	Gas ck. (1/2 stre Gas ck. (1/2	e 1847' no am H ₂ 0 e 1 e 2595' 12 ii 3001' 8 ii 4002' 7 ii 4631' 11	show 938' 24,000 CF 87,800 CF 16,000 CF 6,000 CF
Top Soil R. Rock Sand & Shale R. Rock Sand & Shale R Rock Sand & Shale R Rock Sand & Shale R. Rock Shale R. Rock	Top Feet 0 8 35 125 210 300 320 324 360 512 601 750	8 35 125 210 300 320 324 360 512 601 750 793	Gas ck. (1/2 stre Gas ck. (1/2	@ 1847' nc am H ₂ 0 @ 1 @ 2595' 12 " 3001' 8 " 4002' 7	show 938' 24,000 CF 87,800 CF 16,000 CF 6,000 CF
Top Soil R. Rock Sand & Shale R. Rock Sand & Shale R Rock Sand & Shale R Rock Sand & Shale R. Rock Shale R. Rock Shale	Top Feet 0 8 35 125 210 300 320 324 360 512 601 750 793	8 35 125 210 300 320 324 360 512 601 750 793 1370	Gas ck. (1/2 stre Gas ck. (1/2	e 1847' no am H ₂ 0 e 1 e 2595' 12 ii 3001' 8 ii 4002' 7 ii 4631' 11	show 938' 24,000 CF 87,800 CF 16,000 CF 6,000 CF
Top Soil R. Rock Sand & Shale R. Rock Sand & Shale R Rock Sand & Shale R. Rock Sand & Shale R. Rock Shale R. Rock Shale Sand & Shale	Top Feet 0 8 35 125 210 300 320 324 360 512 601 750 793 1370	8 35 125 210 300 320 324 360 512 601 750 793 1370 1405	Gas ck. (1/2 stre Gas ck. (1/2	e 1847' no am H ₂ 0 e 1 e 2595' 12 ii 3001' 8 ii 4002' 7 ii 4631' 11	show 938' 24,000 CF 87,800 CF 16,000 CF 6,000 CF
Top Soil R. Rock Sand & Shale R. Rock Sand & Shale R Rock Sand & Shale R. Rock Shale R. Rock Shale R. Rock Shale Shale Shale Sand & Shale	Top Feet 0 8 35 125 210 300 320 324 360 512 601 750 793 1370 1405	8 35 125 210 300 320 324 360 512 601 750 793 1370 1405 1500	Gas ck. (1/2 stre Gas ck. (1/2	e 1847' no am H ₂ 0 e 1 e 2595' 12 ii 3001' 8 ii 4002' 7 ii 4631' 11	show 938' 24,000 CF 87,800 CF 16,000 CF 6,000 CF
Top Soil R. Rock Sand & Shale R. Rock Sand & Shale R Rock Sand & Shale R. Rock Shale R. Rock Shale Shale Sand & Shale Shale Shale	Top Feet 0 8 35 125 210 300 320 324 360 512 601 750 793 1370	8 35 125 210 300 320 324 360 512 601 750 793 1370 1405	Gas ck. (1/2 stre Gas ck. (1/2	e 1847' no am H ₂ 0 e 1 e 2595' 12 ii 3001' 8 ii 4002' 7 ii 4631' 11	o show 938' 44,000 CF 67,800 CF 6,000 CF 6,000 CF 07,000 CF
Top Soil R. Rock Sand & Shale R. Rock Sand & Shale R Rock Sand & Shale R. Rock Shale R. Rock Shale Shale Sand & Shale Sand & Shale Sand & Shale	Top Feet 0 8 35 125 210 300 320 324 360 512 601 750 793 1370 1405	8 35 125 210 300 320 324 360 512 601 750 793 1370 1405 1500	Gas ck. (1/2 stre Gas ck. (1/2	e 1847' no am H ₂ 0 e 1 e 2595' 12 ii 3001' 8 ii 4002' 7 ii 4631' 11	o show 938' 44,000 CF 67,800 CF 6,000 CF 6,000 CF 07,000 CF
Top Soil R. Rock Sand & Shale R. Rock Sand & Shale R Rock Sand & Shale R. Rock Shale R. Rock Shale Shale Sand & Shale Sand & Shale Sand & Shale Shale Shale Shale Shale Shale Shale Shale Shale	Top Feet 0 8 35 125 210 300 320 324 360 512 601 750 793 1370 1405	8 35 125 210 300 320 324 360 512 601 750 793 1370 1405 1500 2035	Gas ck. (1/2 stre Gas ck. (1/2	e 1847' no am H ₂ 0 e 1 e 2595' 12 ii 3001' 8 ii 4002' 7 ii 4631' 11	show 938' 24,000 CF 87,800 CF 16,000 CF 6,000 CF
Top Soil R. Rock Sand & Shale R. Rock Sand & Shale R Rock Sand & Shale R. Rock Shale R. Rock Shale Shale Sand & Shale Sand & Shale Sand & Shale Shale Shale Shale Shale Shale Shale Shale Shale R. Rock	Top Feet 0 8 35 125 210 300 320 324 360 512 601 750 793 1370 1405 1500 2035 2161	8 35 125 210 300 320 324 360 512 601 750 793 1370 1405 1500 2035 2161 2563	Gas ck. (1/2 stre Gas ck. (1/2	e 1847' no am H ₂ 0 e 1 e 2595' 12 ii 3001' 8 ii 4002' 7 ii 4631' 11	o show 938' 44,000 CF 67,800 CF 6,000 CF 6,000 CF 07,000 CF
Top Soil R. Rock Sand & Shale R. Rock Sand & Shale R Rock Sand & Shale R. Rock Shale R. Rock Shale Shale Sand & Shale Sand & Shale Sand & Shale Shale Shale Shale Shale Shale Shale Shale Shale	Top Feet 0 8 35 125 210 300 320 324 360 512 601 750 793 1370 1405 1500 2035	8 35 125 210 300 320 324 360 512 601 750 793 1370 1405 1500 2035 2161	Gas ck. (1/2 stre Gas ck. (1/2	e 1847' no am H ₂ 0 e 1 e 2595' 12 ii 3001' 8 ii 4002' 7 ii 4631' 11	o show 938' 44,000 CF 67,800 CF 6,000 CF 6,000 CF 07,000 CF

						2
		1 (32.4.47)				
Formation Color	Hard or Soft	Top Feet	Bottom Feet	OII, Gas or	- Water	*Remarks
	2.4					
Shale	· · · · · · · · · · · · · · · · · · ·	2970	39 50			
Sand		3950	4000			
Shale		4000	4800			
Benson		4800	4820			
Sand & Shale		4820	5220			
Alexander		5220	5310			
Sand		5310	5352 TD			
Ourid						
		and the state of t				4.6
Well was Fractured	lune 4. 1981 by [l Dowell				
Mett mgs ildereres		1				
Perforations:	4808'-4812' 16	holes				
1 5/10/2 (10/10)		4 holes				
		5 holes				
		8 holes				
				Discount of the Control of the Contr		
		Marketon (September 1997)	Name of the latest and the latest an	U		
		Name of the last o				•
		paragraph (P-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C		
		- Congression				
•						
				-		
		-		· ·		
			t	organical and a second a second and a second a second and		
		^				
*		-		Company of the Compan		
			Name of the second	Company of the Compan		
		ĺ				
				400		
			:			
				200		
						•
			accusation of the contract of			
		The second secon	·	Lat pursuant		
				Spinosting.		
			Modern Commission Comm	***		
		Topocontain of	N. Company			
				&		
				No.		
		1.0		1		
		· ·				
				De construction de la constructi		
		44	100000000			
•		Newspaper		to the state of th		

PROVED Vice President Oil & Gas Productions



0 its:	July 2	<u>. 80</u>
loemarom\a .e11	A-874	
.== (a): 1::.	47 - 017	- 2793-REN.

OIL & GAS DIVISION DEPT. OF MINES

STATE OF NEST MIRSINIA DEPARTMENT'S MIRES, SOL AND SAS DIVISION

off two and here beauty therefore and

WELL TYPE:	Cil Gas _XX_/	
	(If "Gas", Production/ Undergro	ound storage / Deep / Shallow XX ()
LOCATIONS	Elevation: 1049 Watersher	d: <u>Cabin Run</u>
	District: Central county:	Doddridge Quadrangle: Oxford 7.5'
WELL OPERAT	P. O. DRAWER 1740	DESIGNATED AGENT ALLEGHENY LAND & MINERAL CO. P. O. Drawer 1740 CLARKSBURG. WV 26301
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	CLARKSBURG, WV 26301	CLARKSBURG, WV 26301
OIL & GAS ROYALTY OWN Addres	Leggett Heirs, etal c/o Joe Nutter Route 2, Box 178 Salem, WV 26426	COAL OPERATOR None
Acreas	e <u>187</u>	COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWN	ER Clifford Lloyd	NameLeggett_Heirs,_etal
	s Route 1, Box 221	Address -c/o-Joe-Nutter
	West Union, WV 26456	A . A B B B B B B B B B B
Acress	_{se} 187	Name
FIELD SALE	(IF MADE) TO:	Address Mr. Clifford Lloyd
NameAddres	Consolidated Gas Supply 445 West Main Street Clarksburg, WV 26301	Address Mr. Clifford Lloyd Route 1 Box 221 West Union, West Virginia COAL LESSEE WITH DECLEMENTS CORP. Name
CIL & GAS I	NSPECTOR TO BE NOTIFIED	Address
Name Sto	eve Casey	
Addres	s Rt. 2,-Box 232D	OIL & GAS DIVISION
	Jane Lew, WV 26378 Telephone 884-7470	DEPT. OF MINES
7	The undersigned well operator is entitl	led to operate for oil or gas purposes at the above
location un	nder a deed/ lease XX _/ other	r contract/ dated $\underline{July~29}$, 19 $\underline{57}$, to the
undersigned	well operator from Ralph Legge	ett, etal
Recorded or	Oct. 16th , 1957 , in the offi	ice of the Clerk of the County Commission of <u>Doddridge</u>
County, Wes	st Virginia, in <u>Deed</u> Book <u>60</u>) at page 50 . A permit is requested as follows:
PROPOS	SED WORK: DrilXXX / Drill deeper	/ Redrill / Fracture or stimulate /
	Plug off old formation/	Perforate new formation/
	Other physical change in wel	ll (specify)
	planned as shown on the wo	ork order on the reverse side hereof.
	The above named coal operator, coal own	ner(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.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed . by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS
CONDERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311

TELEPHONE: (304) 348-3092

ALLEGHENY LAND & MINERAL COMPANY

Daniel L. Wheeler

Vice President



PROPOSED MORK OFFIER

THIS IS AN ESTIMATE ONLY:
ACTUAL INTERMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

priming cont	RACTOR		ress P.	O. B	OM 40	SEET VERGINIA	26201		
22020412	i depth	of co er str	mpleted w ata depth	ell, s:	$\frac{5500}{\text{Fresh}}$	feet Ro 2000 feet; s is coal be	salt, fee	t .	_/
¥es	_/ %0	XX	_/						
		SPECI	FICATIONS	5		FOOTA	GE INTERVALS	CEMENT FILL 1 OR SACKS 1	UP
TUBING TYPE	SIZE	GRADE	Weight Per ft.	New	Used	For drilling	left in well	(cubic ft.)	Packe
Conductor	16"			-	X	20'	20 1	cement to surface	kinds
Fresh Water	8-5/8	7							
Coal	8-5/8	31	20#	X		500'	500'	cement to surface	sizes
Intermediate Production	414"		J 55 10.50#	X		5500'	5500'	cement to 300' above producing horizon	depti
Tubing	· entire management								
<u>Liners</u>				- The state of the					perfo ation
								To	bot
				onegying department		-			•
	and the state of t	-							Audited desired desire
copie in the by Re (iii) S 22- fee : Code	es of F ne form egulati) Form -4-12b reguire	orm IV presc on 12, IV-9, and Re d by C -8a fr	-2 must be ribed by or in li Reclama equiation code S 22-	e fi Regu eu t tion 23,	led with lation hereof Plan" (iv) under the lation with lation with lation lation with lation	Mines provides th the Departme 11, (ii) a bor the other seco , applicable to nless previous (v) if applica water well or	ent, accompaniend in one of the urity allowed to the reclamately paid on the able, the cons	ed by (i) a place to the forms present to the forms present to the following the follo	plat scribe -4-2, by Co the by
All provision of the one	in a per ns being ection ection	Bi Well mit is the Yell , the local	IIDwhereHa s sought a viene with (ction is hereb	Eradi and i Chapte	tu <u>ring</u> Ls note er 22,	ot be required or stimulating d as such on t	is to be part	of the work	for
	nave not c	ommence	This permit shed by Janua				:		- Ann - Tan
coal owner permit is t	Th or coal	ne Foll L lesse	lowing wa: ee who ha:	s re	corded n (15)	e completed by a declaration days of receip V E R	under Code S 2		
this well leads this which cover mine map. location, p	tocations the The uncorovide	n has area o dersig d, the	examined f the wel ned has n well ope	this l lo o ob rato	proposication jection	owner / lesed well location, the well location to the work promplied with a regulations.	ion. If a min ation has been proposed to be	e map exists added to the done at thi	e s .
Datë:		19_				· · · · · · · · · · · · · · · · · · ·		·	

Date:	July 2	. 13 <u>80</u>
Operator's Well No.	A-874	
API WellLNo.	47 - 017 State Scunty	- 2793

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

OIL AND TAS WELL PERMIT APPLICATION

	/ Gas/ "Gas", Production/ "	Indonanound at	oms 70 / Do	nen / Shallow XX /)
LOCATION: Ele	vation: 1049' Wation: Central Co	tershed:C	abin Run	
Address	ALLEGHENY LAND & MINER P. O. DRAWER 1740 CLARKSBURG, WV 2630		Address	ALLEGHENY LAND & MINERAL CO P. O. Drawer 1740 CLARKSBURG, WV 26301
OIL & GAS ROYALTY OWNER _	Leggett Heirs, eta c/o Joe Nutter Route 2, Box 178 Salem, WV 26426	11 c	OAL OPERATOR	None
SURFACE OWNERAddress	187 Clifford Lloyd Route 1, Box 221 West Union, WV 26		lame	Leggett Heirs, etal c/o Joe Nutter Route 2, Box 178
Acreage	187 MADE) TO:	4	Jame	Salem, WV 26426
Address	Consolidated Gas S 445 West Main Stre Clarksburg, WV 26	et (P COAL LESSEE WITH	DEC ARATOGETICATE
Name	CCTOR TO BE NOTIFIED Paul Garrett 321 Beech Street	: :	Address	
	Clarksburg, WV 2 Telephone 622-3871			OIL & GAS DIVISION DEPT. OF MINES
location under	· · · · · · · · · · · · · · · · · · ·	other contra	act/ dated	or gas purposes at the above a July 29 , 1957 , to the
Recorded on Oc County, West V	t. 16th , 1957 , in the irginia, in Deed Bowerk: Drill XXX / Drill dee	the office of ook 60 at eper / Red	the Clerk of the page 50	
The	planned as shown or above named coal operator, o			se side hereof.

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.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed . by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311

TELEPHONE: (304) 348-3092

ALLEGHENY LAND & MINERAL COMPANY

Daniel L. Wheeler Vice President

BLANKET BOND

PROPOSED WORK ORDER THIS IS AN ESTIMATE ONLY:

ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONT	IRACTOR		NOWN) <u>UNI</u> ress P.C			G COMPANY			
		7,44				VEST VIRGINIA	26201		
GEOLOGICAL TA	d depth	of co	mbleted we	≥⊥⊥.) reet K	otary XX / Cal	ole tools	/
Approxim	ate wate ate coal	er str L seam	ata depth: depths:	s: I	Fresh,	2000 feet;	salt, feet	t.	
CASING AND T									•
CASING AND I CASING OR TUBING TYPE		SPECI	FICATIONS Weight	No.			GE INTERVALS	CEMENT FILL OR SACKS	
	SIZE	GRADE	Per ft.	New	Used	For drilling	left in well	(cubic ft.)	
Conductor	16"				X	20'	20'	surface	
Fresh Water	8-5/8	r						cement to	
Coal	8-5/8		20#	X		500'	500'	surface	sizes
Intermediate	4							cement to	
Production	4311		J 55 10.50#	Х	er de la companya de	5500'	5500'	300' above producing horizon	depths
Tubing		- American Constant -	And the second s						
Liners		-	and the second s						perfor-
-					- Popularing and the second se			To	ations:
			-	- The second sec					
		-							
copi in t by R (iii S 22 fee Code	es of Form egulation Form 1 -4-12b arequire	orm IV presc on 12, IV-9, and Re d by C -8a fr	-2 must be ribed by I or in lie "Reclama gulation to code S 22-com the own	e fil Regul eu tl tion 23, 4-12	led wit lation nereof Plan" (iv) un a, and	th the Department of the other section, applicable to these previous (v) if applicable	es that the original companies and in one of the column of the column of the column of the cable, the consecutive with the column of the colum	ed by (i) a present the forms present code S 22- ion required same well, sent required	plat scribed -4-2, by Code the by
	Maeing haper eednako	SIEWeA mit is Wherev	Il TwHeWELLE s sought a with Chapter	falct nd i 22,	uring (or stimulating	for fracturing is to be part the Form IV-2 f	of the work	for
			ermit shall expi						
operations have n	of commen	ced by_	3-23-81	none revenue of			:		
Deputy Directo	ir-olag	as Divis	ion			- completed by	y the coal oper		
coal owner permit is t	or coal	lesse	ee who has	rec	orded	a declaration days of recei	under Code S 2		
this well which coverance map.	locationers the another the unconstruction of the unconstruction of the construction o	has rea o lersig l, the	examined to the well ned has no well open	this l loo p obj rato:	proposition, jection than the section of the sectio	sed well locat , the well loc n to the work	essee / of to ion. If a mine ation has been proposed to be all applicable	e map exists added to the done at this	e \$`
Date:		19					81		

By __