

#### State of West Virginia DEPARTMENT OF ENERGY

Division of Oil and Gas

RECEIVED Well Operator's Report of Well Work Division of Energy Farm name: WESTBROOK, L.O. & FRANCES Operator Well No.: 2 JUN 2 4 94 LOCATION: Elevation: 830.00 Quadransle: WILLOW ISLAND Permitting Oil and Gas Section District: UNION County: WOOD Latitude: 50 Feet South of 39 Des. 17Min. 30 Sec. Longitude 11000 Feet West of 81 Bes. 17 Min. 30 Sec. Company: AMERICAN PETROEL, INC., A CORP. ------POST OFFICE BOX 512 | Casins | Used in | Left | | Cement | MARIETTA, OH IFill Upl | Tubins | Drillins | in Well|Cu. Ft.| Asent: WILLIAM T. SMITH Inspector: GLEN P. ROBINSON Permit Issued: 04/13/88 3/7/88 Well work Commenced: Well work Completed: 5/7/88 1 4 1/2 | 2750.05 | 2750.65 | 250 SK | Verbal Plussins Permission granted on:\_\_\_\_\_ Rotary\_X\_\_ Cable \_\_\_\_ Ris 1 Fresh water degths (ft) Salt water depths (ft) 1640 Is coal being mined in area (Y/N)?\_\_ | Coal Depths (ft): No OPEN FLOW DATA Producing formation Gordon Pay zone depth (ft) 2560 Gas: Initial open flow 500 MCF/d Oil: Initial open flow \_ \_\_\_\_Bbl/d Final open flow 25 MCF/d Final open flow \_\_\_\_\_ Bbl/d Time of open flow between initial and final tests \_\_\_\_ Hours Static rock Pressure 700 \_\_psis (surface pressure) after \_\_\_\_\_ Hours Second producing formation\_\_\_\_\_ Pay zone depth (ft)\_\_\_\_\_ Gas: Initial open flow\_\_\_\_\_Bbl/d Final open flow \_\_\_\_\_Bbl/d Time of open flow between initial and final tests\_\_\_\_\_Hours Static rock Pressure\_\_\_\_\_psis (surface pressure) after \_\_\_\_\_Hours NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS,

For: AMERICAN PETROEL, INC.

INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

GBVITTE

PERFS; 21 HOLES AT 2564 TO 2569 AND 33 HOLES AT 2585 TO 2593

WELL WAS TREATED WITH 40,000 16s. 20/40 SAND 500,000 SCF N2 USING 150 BBLS OF FRESHWATER AT A RATE OF 24 BBL/MIN

FORMATION	TOP FEET		BOTTOM F	EET	. •
SOIL TO THE STATE OF THE STATE			20	• .	
SHALE	20		43		
SAND	43		58		
SHALE	58		90		
SAND	90		112		
SHALE TO THE RESERVE OF THE PARTY OF THE PAR	112		235		•
SAND	235		260		
SHALE	260		328		
SAND	328		463		
SHALE	463		610	· · · · · · · · · · · · · · · · · · ·	
SAND	610		680		
SHALE	680		830		
SAND	830		886	· · · · · · · · · · · · · · · · · · ·	
SHALE	886		. 943		
SILT STONE	943		987		
SHALE	987	. •	1026		
SAND	1026		1065		
SHALE	1065		1192		
SAND	1192		1238		
SHALE	1238		1285	**	
SAND	1285		1326		
SHALE TO THE STATE OF THE STATE	1326		1350	e de la companya de	
COALS - Part Are more ly problem	1 1350	·	1356		
SHALE - Property of the State o	1356		1380		
COAL CAR AND	1380	· · ·	1384		
SHALE. Some of the state of the contract of th	1384		1430		
COAL	1430		1436		
SHALE TO A COMMON MAN	1436		1506		
SAND COLOR SALES SALES SALES	1506		1518		
SHALE	1518		1544	144	
MAXTON 4 P. F. Lees	1544		1596	**	
SILT STONE TO COMPANY OF	1596		1642		
BIG INJUN	1642			SALTWATER	
SHALE	1900		2192	SHETWHILK	
BEREA				LITTLE GAS	
SHALE THE PARTY OF THE PARTY	2197	N. Carlotte	2304	milita DHO	
SANTZ O' CONTRACTOR OF THE CONTRACTOR OF THE			2318		4
SHALE	2318		2422		- T
THIRTY-FOOT	2422		2444	.,	
SHALE	2444		2560		
GORDON		to provide a seguir		SHOW OF GAS	•

47

## RECEIVED

IV-35 (Rev 8-81) JUN -7 1982

OIL AND GAS DIVISION WY DEPARTMENT OF MINES



### State of Mest Nirginia

Pepartment of Mines Gil und Gas Bivision

Date 5/26/82	
Operator's	
Well No. #2	
Farm L. Westbrook	
API No. $47 - 107$	_ 1176

WELL OPERATOR'S REPORT OF

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

WELL TYPE: Oil $\underline{x}$ / Gas $\underline{x}$ / Liquid Injection (If "Gas," Production / Underground	/ Wast	te Disposa ge/ Deep	l/ b/ Sha	llow/)
IOCATION: Elevation: 830' Watershed Ri	aht Fork			
District: Union County Wood			e Willow	Island
<i>DIDCITOC</i>		,		
COMPANY Energy Unlimited, Inc.				
ADDRESS 427 Second St. Marietta, OH 45750	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Dave Clovis	Tubing	Drilling	in Well	Cu. ft.
ADDRESS Union Trust Bldg. Parkersburg, WV 26101	Size			
SURFACE OWNER L. Westbrook	20-16 Cond.			
ADDRESS Rt. #2 Waverly, WV 26184	13-10"			
MINERAL RICHTS OWNER Same	9 5/8			
ADDRESS	8 5/8	250	250	100 sx
OIL AND GAS INSPECTOR FOR THIS WORK Paul	7	250	230	100 52
Goodnight ADDRESS Smithville, WV	5 1/2			
PERMIT ISSUED 9/11/81	4 1/2	2750.05	2750.05	250 sx
DRILLING COMMENCED 5/20/82	3	2750105		
DRILLING COMPLETED 5/26/82	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
ON CERBAL PERMISSION OBTAINED	useu			,
GEOLOGICAL TARGET FORMATION Gordon Siltstone		Dep	th 2560'-2	2596' feet
Depth of completed well 2786' feet I				
Water strata depth: Fresh 90' feet;	Salt 1	 .640' feet		
Coal seam depths:				area? no
		J		
OPEN FLOW DATA	_	<b></b>		, 
Producing formation Gordon Sand	Pa	y zone dep	2560 -	2596 1eet
Gas: Initial open flow Mcf/d				
Final open flow 10 Mcf/d			_	
Time of open flow between init				
Static rock pressure 675 psig(surface		ment) afte	<u>r 24 hou</u>	irs snut in
(If applicable due to multiple completion		•	. •	<b>.</b> .
Second producing formation	Pa	y zone der	rn	teet
Gas: Initial open flow Mcf/d			•	
Final open flow Mcf/d				
Time of open flow between init				
Static rock pressurepsig(surface				
	와.네케 # #	Jan Conti	ma on n	monge side

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

Perforated from 2560' - 2596 with 13 - .49 holes Treated with 32,000 gals H2O, 50,000# sand and 107 MSCF nitrogen at 200 BPM and 2150 PSIG

WELL LOG

				į.	REMARKS
FORMATION	COT OR	HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fre
			101 (22)		and salt water, coal, oil and g
soil		soft	0'	20'	
shale		soft	20'	43'	
sand		hard	43'	58 '	
shale		soft	58'	90'	
sand		hard	90'	112'	freshwater
shale		soft	112'	235'	
sand		hard	235'	260'	,
shale		soft	260'	328'	
sand		hard	328'	463'	
shale		soft	463'	610'	
sand		hard	610'	680'	
shale		soft	680'	830'	
sand		hard	830'	886'	
shale		soft	886'	943'	
Silt Ston	e	hard	943'	987'	
shale		soft	987'	1026'	
sand		hard	1026'	1065'	
shale		soft	1065'	1192'	
sand		hard	1192'	1238'	
shale		soft	1238'	1285'	** :
sand ·		hard	1285'	1326'	
shale		soft	1326'	1350'	
coal		hard	1350'	1356'	
shale		soft	1356'	1380'	
coal		soft	1380'	1384'	
shale		soft	1384'	1430'	
coal		soft	1430'	1436'	
shale		soft	1436'	1506'	
and		hard	1506'	1518'	
shal€		soft	1518'	1544'	
Maxton		hard	1544'	1596'	d a second
Silt Ston	10	hard	1596'	1642'	
Sig Injun		hard	1642'	1900'	saltwater
shale	•	soft	1900'	2192'	Bartwater
Berea		medium	2192'	2197'	little gas
shale		soft	2197'	2304'	Treete gab
Gantz		medium	2304'	2318'	
shale		soft	2318	2422	
Thirty-Fo	not	medium	2422'	2444'	- <del>-</del>
shale		soft			as necessary)
Gordon		medium	(Attach sep 2560'	2596'	show of gas
shale		soft	2596 <b>'</b>	2768 <b>'</b>	T. D.,2768'
STATE		SOLL		rgy Unlimited	<i>'</i>
				Operator )	<del>'/' '''////</del>

y: <u>Bouc</u>

Douglas W. Galloway

5/27/82

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 word, encountered in the drilling of a well."

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DEPARTMENT	OF	ENE	RGY,	DIV	ISIO!	N OF	OIL	AND GAS

				VISION OF O APPLICATIO		Exp. 129 41
1) Well Ope	erator:_	Amer	ODIS ican Petro	oel, Inc./	<u>755, 8, </u>	685
2) Operator	r's Well	Number:	# 2		3) El	evation: 830
4) Well typ	oe: (a)	Oil_/	or Gas	5 <sub>x.x.</sub> /		
	(b)	If Gas:			round Storag	
5 \ D		<b>-</b>	Dee	4(9	Shallo	
•	. •	en en en		Gordon Si	tstone	
6) Proposed	l Total D	epth:	2786	feet		
				hs: <u>90</u>	A REGION OF THE RESIDENCE OF THE RESIDEN	
8) Approxim	nate salt	water de	pths:	1642' - 19	00'	
9) Approxim	mate coal	seam der	oths:V	arious (see	IV-35)	
10) Does lan	nd contai	n coal se	ams tribut	ary to act	ive mine? Y	es/_No <u>x</u> _/
11) Proposed	Well Wo	rk: Se	e reverse	side. Perf	Fral Opm	e fermateur
12)						e govració
		CASIN	G AND TUBI	NG PROGRAM		•
TYPE	<u> </u>	PECIFICAT	IONS	FOOTAGE I	TERVALS	CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water	8 5/8			250	250 '*	100sx
Coal						1.00
Intermediate						
Production	4"			2750.05	2750.05	250sx
Tubing		• .				
Liners						ADDONAL S
PACKERS : Kin	.d				NB S	BUVE
Siz Dep	es ths set .				UU APR	0 7 1988
56	F	or Diviso	n of Oil a	nd Gas Use	Only DEPARTM	N OF OIL & GAS
· 工/)	aid:	<b>Z J</b>	ork Permit		amation Fund	14
Plat ()	SI WW-9	H ww-	100	ond 50 3	anket	AL Agent
The state of	EL! "" J	J ""			Type)	- 00

Page 1 of \_ Form WW2-A (09/87) File Copy

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	APR	07/19	88	שי	1 )

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY 3)

Date: March 30, 1988		
Operator's well number		
# 2		
API Well No: 47 - 107	_	1176 -FRAC.
State - County	_	Permit

STATE OF WEST VIRGINIA

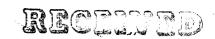
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

•	NOTICE AND APPLICATION FO	OR A WELL WORK PERMIT
4)	Surface Owner(s) to be served:  (a) Name L.O. & Frances Westbrook  Address Route # 2,	5) (a) Coal Operator: Name Address
	Waverly, W.Va.,  (b) Name  Address	(b) Coal Owner(s) with Declaration Name Address
	(c) NameAddress	NameAddress
6)	Inspector Glen P. Robinson Address # 6 Mt. Pleasant Route # 1, Mineral Wells, W.VA., Telephone (304)-489 9162	Name
•	TO THE PERSON(S) NAMED AB	OVE TAKE NOTICE THAT:
Section 1	Included is the lease or leases or eacts by which I hold the right to Included is the information required on 8(d) of the Code of West Virgin I certify that as required under Code served copies of this notice and mpanying documents pages 1 through Personal Service (Affidavit a Certified Mail (Postmarked po Publication (Notice of Public	extract oil and gas <u>OR</u> ed by Chapter 22B, Article 1, ia (see page 2) hapter 22B of the <u>West Virginia Code</u> application, a location plat, and on the above named parties,by: ttached) stal receipt attached)
familattac response to information	liar with the information submitted chments, and that based on my inquionsible for obtaining the information, accurate, and complete.  I am aware that there are signification, including the possibility well operator By:  Its: President Address P. O.  Marie Telephone 6	it issued under this application.  t I have personally examined and am on this application form and all ry of those individuals immediately on, I believe that the information ant penalties for submitting false of fine (and imprisonment.  American Petroel, Inc.  Box 512,  tta, Ohio 45750
Subso	cribed and sworn before me this 30	- <b>0</b>
My c	ommission expires 7-30-91	Notary Public



#### STATE OF WEST VIRGINIA





SEP 1 1 1981

OIL AND GAS DIVISION WYDEPARTMENT OF MINES

## OIL AND GAS WELL PERMIT APPLICATION

Oil and Gas Division

Charleston, W. Va.	•			_	
Lawrence Westbrook	Company	<u>Energy</u>	Unlimited.	Inc.	1575
Rt. #2 Waverly, WV 26184	Address	427 Seco	nd St. Mai	rietta, OH 4	10/2
dress	Farm	Westbrook		Acres	
neral Owner		(waters)	Rigth For	_	
dress				Elevation_8	330 <b>'</b>
same al Owner	Well No	Union		Blevations	od
	District_		Zara Talland	County Woo	
None	Quadran	gleWll	low Island	•	
oal Operator					
Adress.  RMIT MUST BE POSTED AT THE WELL SITE					
the latest to see all of the 22	• .				
isions being in accordance with Chapter 22,  V. Va. Code, the location is hereby approved	TMODECTAL	,			
	INSPECTOR	rified Pa	aul Goodnig	ht	
drilling . This permit shall expire if	TO BE HO			:	
ns have not commenced by 5-17-82	ADDRESS _	Smith	ville, WV		
ag Burkell	PHONE	477–3660			
ty Director - Oil & Gas Division	THORE			, in the second of the second	
			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
ENTLEMEN:  The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant outlier thereto, we made to	or lease dated nited, Incan	premoer o	19	by	
The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant own westbrook made to Fnergy Unlimed 78 Wood County, Book	or lease datedandandand	d recorded o	on the 12th	day of S	Sept
The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant of the thereto, (or as the case may be) under grant of the westbrook that the made to the thereto the the thereto the the thereto the thereto the thereto the thereto the thereto the the the thereto the the thereto the thereto the thereto the thereto the thereto the the the thereto the thereto the thereto the thereto the thereto the the thereto the thereto the thereto the thereto the thereto the	or lease dated Senited, Inc. and 710 Page	ad recorded of 255	on the 12th	day of S	Sept
The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant of the thereto, (or as the case may be) under grant of the westbrook that the made to the thereto that the westbrook the westbrook the westbrook that the westbrook the westbrook the westbrook that the westbrook	or lease dated Senited, Inc. and 710 Page PER FORILLED BEFORE	d recorded of 255 EEDRILL	on the 12th FRAC.	day of S	oept w.
The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant of the stbrook made to Energy Unling To County, Book XX NEW WELL DRILL DEEP OIL AND GAS WELL ORIGINALLY IN The enclosed plat was prepared by a registered experience of the above date.	r lease datedenited, Inc an	ad recorded of 255  EEDRILL E JUNE 5, 1	on the 12th FRAC	day of STIM	Oper.
The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant of the storock made to Energy Unline The enclosed plat was prepared by a registered enave been notified as of the above date.  The above named coal owners and/or operator are the coal of the Code, must be received.	r lease dated	ad recorded of 255  LEDRILL E JUNE 5, 1  I land surveye hat any object the Department	FRAC. 969. or and all coal	day of STIM  TURE OR STIM  owners and/or  to make, or are ithin ten (10) da	oper
The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant of the westbrook and to Finergy Unlined The Energy Unlined The En	710 Page PER FORILLED BEFORE engineer or licensed the hereby-notified to the hy, or filed with	ad recorded of 255  EDRILL E JUNE 5, 1 I land surveyon that any object the Department of the dep	FRAC. 969. or and all coal	day of STIM  TURE OR STIM  owners and/or  to make, or are ithin ten (10) da	oper
The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant of the westbrook made to Energy Unline The enclosed plat was prepared by a registered enave been notified as of the above date.  The above named coal owners and/or operator are to make by Section 3 of the Code, must be received.	r lease dated	d recorded of 255  LEDRILL  E JUNE 5, 1  I land surveyon that any object the Department of the definition of deliveryond the definition of the definition of the deliveryond t	FRAC. 969. or and all coal ction they wish ent of Mines wi	day of STIM  TURE OR STIM  owners and/or  to make, or are ithin ten (10) da  oove named coal before.	oper
The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant of the westbrook made to Energy Unline Towns of the enclosed plat was prepared by a registered enave been notified as of the above date.  The above named coal owners and/or operator are to make by Section 3 of the Code, must be received.	r lease dated	d recorded of 255  LEDRILL  E JUNE 5, 1  I land surveyon that any object the Department of the definition of deliveryond the definition of the definition of the deliveryond t	FRAC. 969. or and all coal ction they wish ent of Mines wi	day of STIM  TURE OR STIM  owners and/or  to make, or are ithin ten (10) da  oove named coal before.	Oper
The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant of the westbrook made to Energy Unline Towns of the enclosed plat was prepared by a registered enave been notified as of the above date.  The above named coal owners and/or operator are to make by Section 3 of the Code, must be received.	r lease dated	d recorded of 255  EDRILL E JUNE 5, 1 I land surveyed the Department of Mines at 0	FRAC. 969. or and all coal ction they wish ent of Mines wi	day of STIM  TURE OR STIM  owners and/or  to make, or are ithin ten (10) da  oove named coal before.	oper
The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant of the westbrook and to Energy Unline to The enclosed plat was prepared by a registered enave been notified as of the above date.  The above named coal owners and/or operator are to make by Section 3 of the Code, must be received to coal owners at their above shown respective additionally the same day with the mailing or delivery of this copy to the copy to the copy to the copy to the copy the copy that the copy to the copy the copy that the co	710 Page PER FORILLED BEFORE Pengineer or licensed to the Department Person Page Person Pa	d recorded of 255  EDRILL	FRAC. 969. or and all coal ction they wish ent of Mines wi	day of STIM  TURE OR STIM  owners and/or  to make, or are ithin ten (10) da  oove named coal before.	oper
The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant of the westbrook made to Energy Unline The enclosed plat was prepared by a registered enter been notified as of the above date.  The above named coal owners and/or operator are to make by Section 3 of the Code, must be received for coal owners at their above shown respective additionally the same day with the mailing or delivery of this copy to the copy of the copy to the copy of the copy the copy of the copy of the copy the copy of the copy of the copy of the copy the copy of	r lease dated Senited, Inc. and 710 Page PER FORILLED BEFORE Pengineer or licensed to the Department to the Department	d recorded of 255  LEDRILL E JUNE 5, 1  I land surveyed that any object the Department of Mines at (1) yours, [Me]	FRAC. 969. or and all coal stion they wish ent of Mines wi ivered to the above Charleston, Wes	day of STIM  TURE OR STIM  to make, or are ithin ten (10) da pove named coal to Virginia.	oper
The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant of the westbrook made to Finergy Unline of the property of the property of the county, Book Drill Deep on the enclosed plat was prepared by a registered entitle been notified as of the above date.  The above named coal owners and/or operator are to make by Section 3 of the Code, must be received or coal owners at their above shown respective additionally of the code of this notice and the enclosed plat were recovered as an end of the code of	710 Page PER FORILLED BEFORE Pengineer or licensed to the Department Person Page Person Pa	d recorded of 255  EEDRILL  E JUNE 5, 1  I land surveyon that any object the Department of Mines at (1)  Ily yours,  me)	FRAC.  969.  or and all coal  ction they wish ent of Mines wi ivered to the ability Charleston, West  Ouglas M. G.	day of STIM  TURE OR STIM  owners and/or  to make, or are othin ten (10) da  oove named coal before, or t Virginia	oper
The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant of the westbrook made to Energy Unline Mood County, Book XX NEW WELL DRILL DEEP OIL AND GAS WELL ORIGINALLY IN The enclosed plat was prepared by a registered enave been notified as of the above date.  The above named coal owners and/or operator are to make by Section 3 of the Code, must be received for coal owners at their above shown respective addressme day with the mailing or delivery of this copy to the grant of the copy of the co	710 Page PER FORILLED BEFORE Pengineer or licensed to the Department Person Page Person Pa	d recorded of 255  EEDRILL  E JUNE 5, 1  I land surveyon that any object the Department of Mines at (1)  Ily yours,  me)	FRAC. 969. or and all coal stion they wish ent of Mines wi ivered to the above Charleston, Wes	day of STIM  TURE OR STIM  owners and/or  to make, or are othin ten (10) da  oove named coal before, or t Virginia	oper
The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant of the storock made to Energy Unline of the storock made to Energy Unline of the storock made to Energy Unline of the storock made to DRILL DEEP out AND GAS WELL ORIGINALLY in the enclosed plat was prepared by a registered entitle been notified as of the above date.  The above named coal owners and/or operator are to make by Section 3 of the Code, must be received or coal owners at their above shown respective additionally with the mailing or delivery of this copy to the storocoal owners at their above shown respective additionally with the mailing or delivery of this copy to the copy of the cop	or lease dated	d recorded of 255  EEDRILL  E JUNE 5, 1  I land surveyon that any object the Department of Mines at (1)  I yours,  Market Department of Mines at (1)  A 2	FRAC.  969.  or and all coal  ction they wish int of Mines wi ivered to the abit ivered t	day of STIM  TURE OR STIM  owners and/or  to make, or are othin ten (10) da  oove named coal before, or t Virginia	oper
The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant of the westbrook made to Energy Unline Mood County, Book	or lease dated	d recorded of 255  EEDRILL  E JUNE 5, 1  I land surveyon that any object the Department of Mines at (1)  I yours,  Market Department of Mines at (1)  A 2	FRAC.  969.  or and all coal  ction they wish int of Mines wi ivered to the ability Charleston, West  West Operator  Ouglas M. Co.  27 Second S.  Street  ar ietta	day of STIM  TURE OR STIM  owners and/or  to make, or are othin ten (10) da  oove named coal before, or t Virginia	oper
The undersigned well operator is entitled to drill the thereto, (or as the case may be) under grant of the storock made to Energy Unline westbrook made to Energy Unline Tourty, Book County, Book DRILL DEEP OIL AND GAS WELL ORIGINALLY In the enclosed plat was prepared by a registered enave been notified as of the above date.  The above named coal owners and/or operator are to make by Section 3 of the Code, must be received for coal owners at their above shown respective addressme day with the mailing or delivery of this copy to the copy of t	or lease dated	d recorded of 255  LEDRILL  E JUNE 5, 1  I land surveyon that any object the Department d mail, or del dof Mines at (1)  ly yours, me)  DO 42	FRAC.  969.  or and all coal  ction they wish int of Mines wi ivered to the ability Charleston, West  West Operator  Ouglas M. C.  27 Second S  Street  ar ietta  City or Town	day of STIM  TURE OR STIM  owners and/or  to make, or are othin ten (10) da  oove named coal before, or t Virginia	oper
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\*SECTION 3..... It no objections are rued or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

SLANKET BOND

47-107-1176

PERMIT NUMBER

Thave read and understand the reclamation requirements as set forth in Chapter 22, Article 4 section 12-b and will carry out the specified requirements.

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

PROPOSED WORK ORDER TO	XX DRILL	DEEPEN FRA	ACTURE-STIMULATE
DRILLING CONTRACTOR: (If K	nown)	RESPONSIBLE AGENT:	
NAME N/A	remaindered Kindy (	NAME David C. Clo	Blda. P'burg, WV 26101
Address	PART THE TOTAL STATE	TELEPHONE 483-44	
STIMATED DEPTH OF COMPLET	red well:	ROTARY	CABLE TOOLS
THE PORT OF THE PO	TION: Gordon	``	
OII X	X GAS XX	COMB STURAGE_	DISPOSAL
	RECYCL	ING WATER FLOO	ODOTHER
· · · · · · · · · · · · · · · · · · ·	*****	and the second s	
TENTATIVE CASING PROGRAM:		The second secon	
CASING AND TUBING	USED FOR - DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
SIZE	DRILLING		A
20 - 16			
13 - 10 9 - 5/8		\\	
8 - 5/8 X	250'	250'	to surface
7			
5 ½			loon
4 1/2 X	TD	TD	280 sacks or as required Perf. Top by rule 15.01
3			Perf. Bottom
2			Perf. Top
Liners			Perf. Bottom
TO DRILL DEEPER OR REDRIL SUBMIT FIVE (5) COPIES ( WELLS DRILLED PRIOR T MUST ALSO BE SUBMITTE	L: OF OG - 1, SHOWING OR O 1929, A PERMANENT	IGINAL PERMIT NUMBER AN	OND AND PERMANENT COPY  ID PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD
TO FRACTURE - STIMULATE:	DICINALLY DRILLED RE	FORE JUNE 5, 1929, FIVE (5)	COPIES OG - 1, PERFORMANCE
BOND, PERMANENT PLAT	AND ORIGINAL WELL	RECORD.	
OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NU	RIGINALLY DRILLED ON	AND/OR AFTER JUNE 5, 192	29, FIVE COPIES OG - 1, SHOW-
			Inspector to be notified twenty-
four (24) hours in advance.			
			<u> </u>
	•		
	be completed by the coal	operator if the permit is to be	issued within ten days of receipt
thereof.  WAIVER: I the undersigned, Age		· · · · · · · · · · · · · · · · · · ·	er or Operator of the coal under
this lease have examir		e maps this proposed well loca	
We theproviding operator has	complied with all rules and	any have no objections to said v I regulations in Articles 4, 5, and	well being drilled at this location, 7, Chapter 22 of the West Virginia
Code.	•		
_			For Coal Company
•	•		Official Title