

1)	Date: I	ecember	20,	, 1982
2)	Operator'		#1	

073

County

47

State

3) API Well No.

1578

Permit

DRILLING CONTRACTOR:

STATE OF WEST VIRGINIA

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	B (If "	Gas", Pro	duction .	X		Underground st	orage	_/ Deep	_/ Shallow	X
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6) WELL OPE					Corp			AGENT Carlt		
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7) OIL & GAS		Pohor	, "					Revenue Line La	or constitut /5	
ROYALTY		Glenr	ı E.	Merc	er	13	2) COAL OPERAT	OR None		
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5) PROPOSED	WORK:			Drill d		/ Redrill		ure or stimulate		
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6) GEOLOGIC	AL TARGE	FORMA	TION, _			n Shale				
17) Estimate	ed depth of co	ompleted w	vell,	520	Control of the latest and the	feet	POURDS DRA JOI		ा वाल्ड्स १५७	
18) Approxi	mate water s	trata depth	s: Fresh	1, _	90', 7	23\ feet;	salt, 1500'	feet.	Duayets	
				None	The state of the s		salt, 1500 '		7	X
18) Approxi	imate coal sea	am depths:			The state of the s		salt, 1500 'being mined in the a			X
18) Approxi	imate coal sea	am depths:			The state of the s	Is coal	being mined in the a		/ No	X
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proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

In addition, the well operator or his contractor shall notify the

August 28, 1983 Permit expires
Bond: unless drilling is commenced prior to that date and prosecuted with due diligence. Administrator, Office of Oil and Gas

S8er .	menava per December 20,
	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 Glenn E. Mercer
.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
0.107)	Use separate sheet if necessary
8)	Present surface owner at time application is filed. Use a surface owner at time application is filed. Use a surface owner at time application is filed. Use a surface owner at time application is filed.
9)	Optional Williamstown, WV 26187
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.
	WAIVER WAIVER
amined this added to the	rsigned coal operator/ owner/ lessee/of the coal under this well location has exproposed well location. If a mine map exists which covers the area of the well location, the well location has been a mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well s complied with all applicable requirements of the West Virginia Code and the governing regulations.
Date:	By By
	Its

SELL OPERATORS# Jenkins Energy Corp.

API#: 47-073-

ATTACHMENT TO FORM IV-2. (6/82)
OIL G GAS WELL PERMIT APPLICATION

ITEM #21- EXTRACTION RIGHTS CODE 22-4-11 (C)

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1/32 of 8/3ths

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IV-9 (Rev 8-81)

State of West Virginia

WELL NO. John SON / Mercer #1

Bepartment of Mines Gil and Gas Bivision

CON TRUCTION AND RECLAMATION PLAN

COMPANY NAME JENKINS Energy	DESIGNATED AGENT CARTON DAVIS	
Address 338 & Washing TON Ave C		11
Telephone 304-622-383		4
LANDOWNER Jerry W. John	SOIL CONS. DISTRICT Upper OHIO	MESO.
Revegetation to be carried o)
This plan has been reviewe		
and additions become a part of	The state of the s	
	(Date)	,
	(SCD Agent)	
	(SC) Agent)	
ACCESS ROAD	LOCATION	
Structure Cross Drain	(A) Structure (1	_)
Spacing 970-69	Material	
Page Ref. Manual 2-4	Page Ref. Manual	
Structure Broad Base No	(B) Structure	
Spacing As ShowN		2
The second distribution of the second	Material	
Page Ref. Manual 2-3	Page Ref. Manual_	
Structure Drainage Dirch	(C) Structure (3)
Spacing As Shown	Material Material	
Page Ref. Manual 2-15	Page Ref. Manual	
commercial timber is to be cu	pected regularly and repaired if necessary. All and stacked and all brush and small timber to be	
cut and removed from the site	refore dirt work begins.	
	REVEGETATION	
Treatment Area I	Treatment Area II	
Lime As determined by Ph test I		
or correct to pH 65	or correct to pH/ 6.5	
Fertilizer 600 1 (10-20-20 or equivalen	;/acre Fertilizer 600 lbs/acre (10-20-20 or equivalent)	
	s/acre Mulch Hay or STRAW 2 Tons/acre	
Seed* KV 3/ Fescue 35 1	2 IOIS/ dete	
Birds foot Trefoil 10 11	Birds for Trefoil 10 lbs/acre	
Nomestic Rye 10 11	lacre Nomestic Rye 10 lbs/acre	
*Inoculate all legumes such a.	vetch, trefoil and clovers with the maner hast with	
Inoculate with 3% recommended am	nt.	243
	PLAN PREPARED BY Davis Associates	
NOTES: Please request landown	ADDRESS 308 Professional Bldg,	
cooperation to protect new seedling for one growing sea.		
Attach separate sheets as necessary for comments.	= 6	
Jor Commercis.	PHONE NO. 304 623 - (-37/	

ATTACH OR PHOTOCOPY SECTION OF LEGEND INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Ellenboro 75 Well Site Access Road K Maxwell WELL SITE PLAN 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. LEGEND Diversion ------Property boundary -Road = = = = = Spring O-> Existing fence --x-Wet spot -/-Planned fence -Building Stream ... Drain pipe -0-Open ditch ---->-Note: There is existing Road from ST. RT. 16 TO THE lOCATION. No Timbering will be necessary Rock will be placed where needed and Dirches will be maintained. LOCATION IS ON a point where No Brainage problems 1200@-170 To +376 - Topridge should be incurred. - Exist Rock Base Road -BOTH WAS 1500 @ -270 TO +10% EXIST ROCK. Base Rd. culvert Ellenboro

BK: 179 PAGE: 390

ASSIGNMENT

THIS ASSIGNMENT, Made this 11th day of November,

1982, by and between STOCKADE PETROLEUM CORPORATION, party
of the first part, Assignor, and H. Davis Jenkins,

party of the second part, Assignee.

WITNESSETH: That for and in consideration of the sum of TEN (\$10.00) DOLLARS, cash in hand paid and other good and valuable consideration, this day paid to the party of the first part, by the party of the second part, the receipt of which is hereby acknowledged, the said party of the first part does hereby sell, assign, transfer, set over and convey unto the said party of the second part all their right, title and interest in and to that certain lease for oil and gas purposes, situate in McKim District, Pleasants County, West Virginia and more particularly described as follows:

That certain lease for oil and gas purposes, dated Aug. 18, 1982, by and between Glenn E. Mercer, et ux, as Lessor, to Stockade Petroleum Corporation, as Lessee, of record in the Office of the Clerk of the County Court of Pleasants County, West Virginia in Deed Book 176, at Page 611, said original lease containing twenty—one (21) acres, more or less.

Bounded on the North by lands of Estella Owens; Bounded on the East by lands of Estella Owens; Bounded on the South by lands of Tom Gregg; Bounded on the West by lands of J. W. Shingleton;

It is specifically understood and agreed that the party of the first part does hereby reserve from this assignment a one thirty-second (1/32nd) of the 8/8ths in and to the entire leasehold.

This assignment is made subject to all the royalties, terms, provisions and conditions set out in, and being a part of, the original oil and gas lease and intervening assignments.

WITNESS, the following signature and seal.

Raymond W. Edmonds, President STOCKADE PETROLEUM CORPORATION

COUNTY OF WOOD , TO-wit:

I, <u>Betty Schneid</u>, a Notary Public in and for the County and State aforesaid, do hereby certify that Raymond W. Edmonds, whose name is signed to the foregoing writing, as President of STOCKADE PETROLEUM CORPORATION, bearing date the 11th day of November, 1982, has this day acknowledged the same before me in my said County.

Given under my hand and seal this <u>11th</u> day of <u>November</u>,

Betty Schneed
Notary Public

My commission expires: 1/3/89

This instrument prepared by: Ray Edmonds

Page Two Assignment
Stockade Petroleum Corp. to H.Davis Tenkins
Mercer, 21 Ac., McKim/Pleasants

DEDT. GAS ONISION
MINES





IV-35 (Rev 8-81)

WELL TYPE:

OIL & GAS DIVISION Date March 12, State of Mest Mirginia Well No. One (1)

Department of Mines Gil und Gas Division

Mercer Farm API No. 47 - 073 _ 1578

/ Shallow

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

Oil X / Gas X / Liquid Injection / Waste Disposal (If "Gas," Production X / Underground Storage / Deep

IOCATION: Elevation: 1031 Watershed_	Mudlick	Run		
District: McKim County Please	ants	Quadrangle	e Ellenbo	ro 7.5
COMPANY Jenkins Energy Corp.		1		Cement
ADDRESS P.O. Box 980 Bridgeport, W.va. 26330 DESIGNATED AGENT Carlton Davis	Casing	Used in Drilling	Left	fill up
ADDRESS P.O. Box 980 Bridgeport, W.va. 26330	Size	DITTITING		Cu. ft.
SURFACE OWNER J. C. Mercer Heirs	20-16		92 vallon	
ADDRESS St. Marys, W.va.	Cond.	+		
MINERAL RIGHTS OWNER J. C. Mercer Heirs	13-10"	 		
ADDRESS St. Marys, W.va.	9 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK Robert	8 5/8	1723	1723	to surface
Lowther ADDRESS General Delivery,	7			
Middlebourne, W.va. PERMIT ISSUED December 16, 1982	5 1/2			
DRILLING COMMENCED January 6, 1983	4 1/2		5680	600 sacks
DRILLING COMPLETED January 13, 1983	3			-
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2			
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used	1 3 6 8	SOTE en	H
GEOLOGICAL TARGET FORMATION Marcellus Shall	le	Dep	th 5,900	feet
Depth of completed well 5,817 feet	Rotary X	/ Cable	e Tools	
Water strata depth: Fresh 80 feet;	Salt 1,35	0 feet		
Coal seam depths: N/A	Is coal	being mine	ed in the	area? N/A
OPEN FLOW DATA				
Producing formation Hamilton Shale	Pay	zone dept	th 5648	feet
Gas: Initial open flow Show Mcf/d	Oil: Ini	itial open	flow	Bb1/d
Final open flow 750,000 Mcf/d	Fir	nal open fi	low	Bb1/d
Time of open flow between init	ial and fi	inal tests	72 hc	urs
Static rock pressure 875 psig(surfac	e measurer	ment) after	r 4 hou	rs shut in
(If applicable due to multiple completion				
Second producing formation Harrell Shale		zone dep	th 476	0 feet
		itial open		Bb1/d
: 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		nal open fi		Bb1/d
Time of open flow between init				
Static rock pressure psig(surface				
The state of the s		10-40-5-60	10	
		(Conta)	mie on re	norse side

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

3 stage completion 750,000 SCF of N_2 per stage with 40 holes per stage

1st Stage - Perf 5509 to 5633, 40 holes.

2nd Stage - Perf 4077 to 4724, 40 holes.

3rd Stage - Perf 3856 to 66, 40 holes.

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Surface Clay, Sand, Shale & Limestone	0	1,690	
Big Lime	1,690	1,804	retary given of An Estatet With the Con-
Greenbrier Sandstone	1,802	1,920	Gas No xos com caracidad de contra reconstruir de contra c
Pocono Sand	1,964	2,040	Gas & Oil
Berea Cap	2,400	rial years	ADDRESS, SE LLEYAL AND
Gantz Sand	2,514	2,524	Gas (1 1 1 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1
Fifth Sand	2,818	2,826	Gas Right Service
Brallier Shale	2,954	4,080	Gas & Oilvar
Harrell Shale	4,080	5,100	Gas Company Co
Hamilton Shale	5,100	5,817	Gas
nagr nourd right	Train each		DEPENDENT PERMIT L'OLOGICAL
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(Attach separate sheets as necessary)

Jenkins Energy Corporation

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 coal, encountered in the drilling of a well."

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

Permit No. 073 13/8			Oil or	Gas Well
Company Jenkins Energy	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Address Bridglport w. Var	Size	An one of more the fee	es de todo III es 1913	
Farm Glenn Meicer	16		* ATE : Y	Kind of Packer
Well No.	13	711	7/1	the control of the co
District MCKim County Plasar	10/13/4	17	14	Size of
Drilling commenced land 6 83				Depth set
Drilling completedTotal depth 2/5	5 3/16			
	3		F. 20 1 24 7	Perf. top
Date shotDepth of shot	2			Perf. bottom
Initial open flow/10ths Water inInch	Liners Used			Pert. top
Open flow after tubing/10ths Merc. inInch				Perf. bottom
VolumeCu. Ft.	CASING CEMEN	TED	SIZE	No. FTDat
Rock pressurelbshrs.	NAME OF SERV			
Oilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHES
Fresh waterfeetfeet	FEET_	INCH	ES_Q	FEET_INCHES
Salt water <u>feet</u> <u>feet</u>	FEET_	INCH	ES	FEETINCHES
Drillers' Names	t i pe pe di villespendos en educ	o so test out of the	100	CEIVED
			J	AN 1 1 1983
Remarks: 113/4 ClMented by Hand	weth	1551	fs ce	IL AND GAS DIVISION OF DEPARTMENT OF MINES
1-7-83 BATE		RA	Low	CILLUSTRICT WELL INSPECTOR

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

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ner Loc	eation	Amount	Packer O	Location	MARCO	\
PLUGS USED A	ND DEPTH PLACED		BRIDGES		G AND TU	21116
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	-
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DISTRICT WELL INSPECTOR

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



JAN 1 7 1983

INSPECTOR'S WELL REPORT

OIL AND GAS DIVISION WYDEPARTMENT OF MINES

Permit No. <u>073-157</u> 8			Oil or	Gas Well
Company Jerokins Energy	CASING AND	USED IN DRILLING	LEFT IN WELL	PACKERS
Address Budgeport w. Va-	Size		3-10-10-10-10-10-10-10-10-10-10-10-10-10-	
Farm Jerry Johnson	16		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Kind of Packer
Well No	13			
District MC Kim County pleasan	10 Cla1/4	1725	1725	Size of
Drilling commenced	65%			Depth set
Drilling completedTotal depth2150	5 3/16			Perf. top
Date shotDepth of shot	. 2			Perf. bottom
Initial open flow/10ths Water inInch	Liners Used			Perf. top
Open flow after tubing/10ths Merc. inInch				Perf. bottom
/olumeCu. Ft.	CASING CEME	NTED 8 5/8	SIZE/72	5 No. FT/-9-83 Dat
Rock pressurelbshrs.	NAME OF SET			
bbls., 1st 24 hrs.				FEETINCHE
resh waterfeetfeet				FEETINCHE
alt water 1240 feet feet				FEETINCHE
Orillers' Names			y management and	
emarks: 1899 6/10 Gas 14 H	20			

J-10-83

R.A. Lowther

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No.	•		· · · · · · · · · · · · · · · · · · ·	We	II No	7
COMPANY			ADDRESS	the second second second		
FARM	1,60	DISTRIC	T	OUNTY	200	
Filling Material Used			The state of the s		321	
Liner Loc	eation	Amount	Packer	Location		1
PLUGS USED A	ND DEPTH PLACED		BRIDGES		G AND T	UBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
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	Carlo Virginia	3007838	IO AMAA	adi	de marie marie da	awan dala sad
		F	8-17 - 18-18-18-18-18-18-18-18-18-18-18-18-18-1	and the second s	s ips in product them. **	
rillers' Names					340	1
Remarks:	The second secon			the state of the same of the same same	·	An and the services of the services of
ina ag.				and the second	agram deta B	winsit gyati.
						8/ 10 00
			8			
DATE	I hereby certify I v	risited the abo	ove well on this date.			

DISTRICT WELL INSPECTOR





OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia

Department of Mines Gil and Gas Bivision

Charleston 25305

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT April 2, 1984

COMPANY	Jenkins Energy Corporation	PERMIT NO 073-1578
P. (O. Box 980	FARM & WELL NOMercer #1
Brio	dgeport, West Virginia 26330	DIST. & COUNTY McKim/Pleasants
DIIIE	DECCRIPTION	IN COMPLIANCE YES NO
RULE	DESCRIPTION	11
23.06	Notification Prior to Starting Wo	
25.04	Prepared before Drilling to Preve	nt waste
25.03	High-Pressure Drilling	4
16.01	Required Permits at Wellsite	
15.03	Adequate Fresh Water Casing	
15.02	Adequate Coal Casing Adequate Production Casing	
15.01	Adequate Production Casing Adequate Cement Strength	
15.04 15.05	Cement Type	
23.02	Maintained Access Roads	1
25.02	Necessary Equipment to Prevent Wa	
23.04	Reclaimed Drilling Pits	
23.05	No Surface or Underground Polluti	
23.07		
16.01	Well Records on Site	merring riperines
16.02	Well Records Filed	
7.05	Identification Markings	
7.05	Identification Markings	
I HAVE	INSPECTED THE ABOVE CAPTIONED WELL	AND RECOMMEND THAT IT BETRELEASED:
		SIGNED Riff, Lowther
		DATE May 23, 1884
Your w	ell record was received and reclamat	ion requirements approved. In accordan
	hapter 22, Article 4, Section 2, the	above well will remain under bond
covera	ge for the life of the well.	TILLA
		Administrator-Oil & Gas Division
		DATE

DEPT. OF MINES



State of West Virginia

Department of Mines Oil and Gas Division Charleston 25305 May 30, 1984

THEODORE M. STREIT ADMINISTRATOR

WALTER N. MILLER
DIRECTOR

Jenkins Energy Corporation P.O. Box 980 Bridgeport, W.Va. 26330

	In	Re:	PERMIT NO:	073-1578
			FARM:	Glenn E. Mercer
			WELL NO:	One
			DISTRICT:	McKim
			COUNTY:	Pleasants
			ISSUED:	12-28-82
e above captioned well has been received in				

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.

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.

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

Very truly yours,

Theodore M. Streit, Administrator Office of Oil & Gas - Dept. Mines

