

TON- FLINT SEDALIA 99



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES



Oil and Gas Division

OIL & GAS DIVISION DEPT. OF MINES

WELL RECORDS

Quadrangle Centerpoint S.W.

Rotary X Oil

Cable Gas X

Recycling Comb.

Water Flood Storage

Disposal

	!				Recycling_ Water Floo Disposal	odStorage
	1 1 0 0					(NIII)
Company Carnegie Ma Address 390% Main S	treet, Munha	ll, Pa. 1512	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Farm F. M. Frumm Location (waters) Eng	land Pun	Acres02_				
Well No. 3-1822	idila imil	5. 9921	Size		, market	Guide and Guide
District West Union	Country	oddridge	20-16		active Control of the	
The surface of tract is ow			Cond. 13-10"			
Jack E. Nebber			9 5/8		<u> </u>	
Address Smithburg,		36	8 5/8	3000		
Mineral rights are owned b			7	1260	1260	150
Address 52	éakegas, ng.	Va.	5 1/2			
Drilling Commenced 7/2			4 1/2	5305	5305	710
Drilling Completed 8/2	2/79		3	1 3303	3303	710
Initial open flow135,0	000 cu ft	hble	2	<u> </u>		
Initial open flow 135,0 Final production 11:0,4	M. C.F. Ther day	bble	Liners Used			
Well open	hrs before test	1360 pp				
Coal was encountered at Fresh water Producing Sand_Gedar_C	nene l	15-418 Feet	Calt V	Votor		Feet
rioducing Saint			Depth	-422T-20T	5 5079	9-5176
Formation Color	Hard or Soft					
CONTROL OF THE PROPERTY OF THE		Top Feet	Bottom Feet	Oil, Gas or	Water *	Remarks
ADA ROCK 1: Chale	nerska pokoništ maz i krija e e en sić po povedov me pokišti druče en zavo e es pozaz	C		Oil, Gas or	Water *	Remarks
Sand	nn en men en e	0 45	45 80	Oil, Gas or	Water *	Remarks
Sand Sand - Bar Is		0 45 80	45 80 90	Oil, Gas or	Water *	Remarks
Sand Grino Libra Jano	ANTONIO PER	0 45 80 90	45 80 90 210	Oil, Gas or	Water *	Remarks
Sand Sand - She Le Jond Jond (* Shalle		0 45 80 90 210	45 80 90 210 235	Oil, Gas or	Water *	Remarks
Sand Dunc - Chele Jone - Chele Mac - Wek - Shale		0 45 80 90 210 235	45 80 90 210 235 415	Oil, Gas or	Water *	Remarks
Sand Dono Liele Lond Lond O Shale How Wook & Shale Doal Sanoy - Shale		0 45 80 90 210 235 415	45 80 90 210 235 415 418	Oil, Gas or	Water *	Remarks
Sand Deno Jiele Jone Jone & Shele Rec Rock & Shele Sancy & Shale Deno		0 45 80 90 210 235	45 80 90 210 235 415 418 430	Oil, Gas or	Water *	Remarks
Sand Dunc - Shele Jone - Shele Man - Shele Doal Sancy - Shele Dand - Shele		0 45 80 90 210 235 415 415 430 450	45 80 90 210 235 415 418	Oil, Gas or	Water *	Remarks
Sand Sund Shele Jone & Shele Josh Sanoy - Shale Jone & Shale Jone & Shale		0 45 80 90 210 235 415 418 430 450 635	450 90 2135 418 430 450 450	Oil, Gas or	Water *	Remarks
Sand Jone - Dele Jone - Shale Joal Sandy - Shale Janu - Shale Janu - Shale Janu - Shale Janu - Shale		0 45 80 90 210 235 415 415 430 450 685 935	45 80 91 91 91 91 91 91 91 91 91 93 93 95 95	Oil, Gas or	Water *	Remarks
Sand John Shele John O Shele Men Mock & Shele Sandy - Shele Sand & Shele Mend & Shele Mend & Shele Mend & Shele		0 45 80 90 210 235 415 418 430 450 685 9350	450 90 2135 418 435 455 935 960	Oil, Gas or	Water *	Remarks
Sand John Shele John Shele John Shele John Shele John Shale		0 45 80 90 210 235 415 416 450 665 935 950 960	45 80 90 215 418 435 435 935 950 160	Oil, Gas or	Water *	Remarks
Sand John Shele		0 45 80 90 210 235 415 415 430 450 685 935 960 1000	45 80 90 210 235 418 430 455 935 950 1600 1010	Oil, Gas or	Water *	Remarks
Sand John Jiele John Shale		0 45 80 90 210 235 415 416 430 450 685 935 950 900 1000	45 80 90 210 235 415 418 430 450 685 935 950 1000 1010	Oil, Gas or	Water *	Remarks
Sand John Jiele John Shele		0 45 80 90 210 235 415 415 430 450 635 935 950 900 1000 1010	45 80 90 210 235 415 430 450 935 950 960 1010 1105 1215	Oil, Gas or	Water *	Remarks
Sand John Shale		0 45 80 90 210 235 415 415 415 430 450 685 935 950 960 1000 1010 1185 1215	45 80 90 210 235 418 430 455 935 950 1000 1010 1115 1305	Oil, Gas or	Water *	Remarks
Sand John Shale		0 45 80 90 210 235 415 415 430 450 635 935 950 900 1000 1010	45 80 90 210 235 415 430 450 685 935 950 1000 1010 1107 1215 1305	Oil, Gas or	Water *	Remarks
Sand John Shele		0 45 80 90 210 235 415 415 430 450 685 935 950 960 1000 1010 1185 1215 1305	45 80 90 210 235 418 430 430 685 935 950 1000 1010 1105 1305 1310 1315	Oil, Gas or	Water *	Remarks
Sand Some the Leading John College Bhale Some reshale Some or Shale sod Rock & Shale and & Shale into a Shale		0 45 80 90 210 235 415 415 430 450 685 935 950 900 1000 1010 1185 1215 1305	45 80 90 210 235 415 430 450 685 935 950 1000 1010 1107 1215 1305	Oil, Gas or	Water *	Remarks

(over)

^{*} Indicates Electric Log tops in the remarks section.

	Formation Color Hard or Soft	Top Feet 5	Bottom Feet	Oil, Gas or Water * Remarks
T.D. 5300'	Black Shale Sand & Shale Sand & Shale Sand Little Lime Shale Sand Big Lime Injun Sand Shale & Sand Sand Shale Sand & & & & & & & & & & & & & & & & & & &	1600 1640 1683 -1710 1723 1737 -1785 1840 1935 2030 2225 2300 2420 2480 -4835 4845 5105	1640 1683 1710 1723 1737 1785 1840 1935 2030 2225 2300 2420 2480 4835 4845 5105 5210	
	en e			

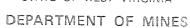
APPROVED				35 Owne
Bv	Low	8.	Lan	ven
		(Title	George	66157
			GEOL	100151

Date_

. 19_79

Signed by ____







Oil and Gas Division

on a cas presion DEFENDED

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	DATE 10, 1979
Surface Owner	Company Company Company
Address Address	Address 300 Main Street, Manhall, Pa. 1512
Mineral Owner topplachian Natural Researce	
Address	
Coal Owner	
Address	
Coal Onesetas	District County County
Coal Operator	Quadrangle Santagodan Santagodan
Address at the MELL SITE	
THIS PERMIT MUST BE POSTED AT THE WELL SITE	
All provisions being in accordance with Chapter 2?. of the W. Va. Code, the location is hereby approved	
for drilling This permit shall expire if	INSPECTOR Paul Garrett
1, very a support of the contract of the contr	TO BE NOTIFIED
operations have not commenced by 1-15-80	ADDRESS Clarksburg, W. VA.
Man Land for forman and the second	PHONE 622-3871
Deputy Director & & Gas Division	THONE
GENTLEMEN:	
The undersigned well operator is entitled to drill un	on the above named farm or tract of land for oil and gas, having fee
OIL AND GAS WELL ORIGINALLY DR	
The enclosed plat was prepared by a registered engin have been notified as of the above date.	neer or licensed land surveyor and all coal owners and/or operators
The above named coal owners and/or operator are he to make by Section 3 of the Code, must be received by	ereby notified that any objection they wish to make, or are required, or filed with the Department of Mines within ten (10) days. *
Copies of this notice and the enclosed plat were mail	ed by registered mail, or delivered to the above named coal operators
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	Very truly yours, (Sign Name) Well Operator
WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY	Address 300 Street
P. O. BOX 879	of Street
	City or Town
220 304 272 0331	
	State
	The state of the s
morrow and plant by the department of mines, to said biobooks in	the Department of mines, within said period of ten days from the receipt of cation, the department shall forthwith issue to the well operator a permit reciting coal operators or found thereto by the department and that the same is approved
	AT 047 0404
	47-017-2434 PERMIT NUMBER
"I have read and understand the reclamation requirements as Chapter 22, Article 4, Section 12-b and will carry out the specified	set forth in

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

PROPOSED WORK ORDER TO	DRILL	DEEPENF	RACTURE-STIMULATE
DRILLING CONTRACTOR: (If	Known)	RESPONSIBLE AGENT	
NAME			Mr. Surt.
ADDRESS P.O. Box Alb, in	ickhomoon, M.Ve. 2620).		e, vest ta, thin
TELEPHONE			59-2021
ESTIMATED DEPTH OF COMPLI	ETED WELL:	ROTARY X	CABLE TOOLS
PROPOSED GEOLOGICAL FORM	ATION:		
TYPE OF WELL: OIL_	GAS C	OMBSTORAGE	EDISPOSAL
			OOD OTHER
TENTATIVE CASING PROGRAM	I was the second of	and the second	
CASING AND TUBING	TECTION TO A TOTAL AND A TOTAL		
SIZE	USED FOR DRILLING	LEFT IN WELL	OR SACKS - CUBIC FT.
20 - 16	Anti-terreproduction of Customer (September 1942) (Colored September 1950) of Private Red by Edition 1957 (September 1947) in the September 1947 (September 1947) in the Septe		OR BACKS - COBIC 11.
12-3/L**	308		
9 - 5/8		And the same of th	
8 - 5/8		12000	10 502 f 80e
7			
5 ½			
4 1/2	53001	5300	
7			Perf. Top
Liners			Perf. Bottom
			Perf. Bottom
			FCIT. BORTOM
ADDDOVIMADD DDDOV W.		The state of the s	
APPROXIMATE FRESH WATER I APPROXIMATE COAL DEPTHS _			PEET
IS COAL BEING MINED IN THE	AREA?	DAT TELLEONEO	•
MUST ALSO BE SUBMITTED TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL ORI BOND, PERMANENT PLAT A OIL AND/OR GAS WELL ORI ING ORIGINAL PERMIT NUM	F OG - 1, SHOWING ORIGIN D 1929, A PERMANENT CO. D. IGINALLY DRILLED BEFOR AND ORIGINAL WELL RECO IGINALLY DRILLED ON ANI BER, AND PERFORMANCE I	PY OF THE PLAT AND T E JUNE 5, 1929, FIVE (5) (DRD. D/OR AFTER JUNE 5, 192 BOND.	ID PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD COPIES OG - 1, PERFORMANCE 9, FIVE COPIES OG - 1, SHOW-Inspector to be notified twenty-
	The state of the s		PROPOSICIONAL PROPOSITION OF THE PROPOSITION OF T
		C.	
The following waiver must be	completed by the and	stan if th	
nereof.	completed by the cost opera	ntor it the permit is to be i	ssued within ten days of receipt
VAIVER: I the undersigned, Agent	for	Cool Commune O	
this lease have examined	and place on our mine map	this proposed well least	or Operator of the coal under
providing operator has con	mplied with all rules and regula	ations in Articles 4, 5, and 7	ell being drilled at this location, , Chapter 22 of the West Virginia
			All Section (All Section)
		Fo	r Coal Company

Official Title

DIVI	SION OF E	INVIRONMEN	TAL PROTE	CTION, OFF CAPPLICAT	ICE OF OIL	AND GAS	Frac
1) Well Op	erator: 0			OMPANY 365	<u> </u>	11	(8)
			FRUM. #18:			Elevation	
	pe: (a)	oil /		- S7 /	lss	150 Por	14/6-
	(b)	If Gas:	Productio Dee	n <u>x</u> / Under p/	ground Sto Sha	rage /	14/99
					ON, SQUAW, BI	IG INJUN, M	AXTON SANI
. ,			528			RECEIV	
			trata dep				97
			pths:				
						01 Oll & C	ìas
_) Does lar	nd contain	n coal se	ams tribu	tary to ac	tive mine?	Yes/	No_x/
11) Proposed	l Well Wo	rk: STIMULA	TE ABOVE ME	INTIONED SAND	S AND CO_MIN	GLE WITH EX	KISTING
12)		PRODUCT	'ION .				
ALL PIPE EX	ISTING	CASIN	G AND TUB:	ING PROGRAI	<u>M</u>		
TYPE	S	PECIFICAT	IONS	FOOTAGE	INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well		l-up . ft.)
Conductor						MAY NE	
Fresh Water						matton-	V
Coal						-10.K.N	Tilegle.
Intermediate	8 5/8				1260	150 SF	
Production	4 1/2				5262	710 SF	
Pubing						710 51	
Liners					110		1
PACKERS : Kin	d					2000 1A	
Siz				T	All		V
		or Office	of Oil a	nd Gas Use	Only		19 440 410 410 419
Fee(s) p					lamation F	und	WPCP
_ Plat	_ ww-9	WW-2	B B	ond	(Type)		Agent

FRUM WELL 1822

1. Load Hole and Run Bond Log

2. Set Plug at ?

3. Perforate at ?

4. Squeeze from ? to 1500'

5. Run Bond Log

6. Drill Out Cement and Plugs

7. Set Plug at 2560'

Perforate and Fracture Weir/Berea/Gordon Sands,
 300 sks. EW/Crosslink

9. Set Plug at 1890'

10. Perforate and Fracture Squaw/Big Injun/Maxton Sands, 400 sks. EW/Crosslink

Top Of Existing Cement @ 1850' (?)

Top Existing Perforation - 4992'



1997

Permitting Circle of Oll & Gas

Page 1 of	
Form WW2-A	
(6/94)	
File Copy	

Date: MAY 12, 1997 2) Operator's well number 3)

FRUM #1822

API Well No: 47 - 017

State County

Permit

Clice of Oll & Gas STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

Permitting

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4)	Surface Owner(s) to be served: 5) (a) (a) Name PALMER J. & GLORIA LAYTON	Coal Operator:
	Address 205 SPOUT SPRING AVENUE MT. HOLLY, NJ 08060	Address
	(b) Name	Name
	(c) Name	AddressNameAddress
	71001000	Address
6)	Inspector MIKE UNDERWOOD Address RT #2 BOX 135	(c) Coal Lessee with Declaration Name
	Telephone (304)782-1043	_Address
	TO THE PERSON(S) NAM	IED ABOVE TAKE NOTICE THAT:
11411111	o extraction and das the	r continuing contract or contracts by which I hold the Chapter 22, Article 6, Section 8(d) of the Code of West
Virgin	ia (see page 2)	
this no the ab	otice and application, a location plat, are sove named parties, by: Personal Service (Affidavit attach	22 of the West Virginia Code I have served copies of accompanying documents pages 1 through on
	Certified Mail (Postmarked posta Publication (Notice of Publication	I receipt attached)
condit	ions of any penningshed bilder into ann	12-6 and 38 CSR 11-18, and I agree to the terms and lication.
.,,000	Guon subilitied on this abblication form	have personally examined and am familiar with the and all attachments, and that based on my inquiry of obtaining the information, I believe that the information
	I am aware that there are significant politity of fine and imprisonment.	enalties for submitting false information, including the
	Well Operato By:	CARNEGIE NATURAL GAS COMPANY
en e	Itš: Address	MANAGER OF PRODUCTION P. O. BOX 387
Subsc	Telephone ribed and sworn before me this 12TH day	MANNINGTON, WV 26582 304-986-2060 y of
M		& Wayne Jones Notary Public
VIY COI	mmission expires <u>OCTOBER</u> 26, 2001	