

STATE OF WEST VIRGINIA Dates Oc DEFARTMENT OF MINES, OIL AND GAS DIVISION Operator's PORM IV-35 (Obverse)

Dates October 20 , 19 80

WELL OPERATOR'S REPORT 29

Well No. <u>Carson-Gum #1</u>

[08-78]

OF API Wel No. 47 - 017 - 2845

DRILLING, FRACTURING AND/OR STIMULATING, CH FHYSICAL CHANGE State County Permit

API	i e	2	:47		7	-	0	17		284	
						-	-	-			

		Company and the second	any ny mandring gard a delete delete, chine at the constant and the consta						
LL TYPE:	011	_/ 0	as X	_/ L:	iquid	Injection	/ Waste I	Disposal/	
								Deep/	
CATION:	Elevati	on:	1158'		- 1	atershed:	Roberts Fork		
	Distric		New Mil	ton	_ C	ounty: <u>Dodd</u>	ridge :	Juadrangle: Nev	Milton
LL OPERAT	OR <u>Cars</u>	on Per	troleum	n Corp	orati	.on	DESIGNATED AC	E::T Lowell M	Johnson
Addres	s <u>P 0</u>	1_xo8	33	gesta suom monte deservira de l'anno			Address	P 0 Box 133	
	Sand	Fork	<u>, WV 2</u>	<u> 6430</u>				Sand_Fork,_	WV - 26430
RMITTED W	DRK: Dr:		<u>(</u> / Co	nvert	/	/ Drill deep	er/ Rei	r112/ Pro	eture or stimulate
	Pli	g off	old fo	rmatio	on	_/ Perfora	ite new format	ion GNS	1134 T 0 1880
	Oti	ner ph	ysical	change	e in v	well (specify	,)		
								£ 5 -	<u>01468 1 201</u> 1711
RMIT ISSU	ED ON	Oct	ober 2		, 19_	80	OIL & GAS IN	Lii SPECTOR FOR THI	WORK:
E APPLICA	BLE: PL	uggino	OF DRY	Y HOLE	ON:				ett
CONTIN	UDUS PRO ING. VE	GRESSI RBAL F	ON FROM	4 DRIL	LING TAINE	OR.			rg, WV 26301
			_, 19					622=3871	
					nian	Shale	The state of the s	Depth	5393 Feet
								Cable Tools	
Water	strata d	epth:	Fresh	,16	<u>O</u> fee	t; salt,	feet.		
Coal s	eam dept	hs:	None			_ Is coal be	eing mined in	the area? No	er en
Work w	as comme	nced _	Octobe	er 8		, 19 <u>80</u> ,	and completed	october	13 , 19 80
		2000000	. 0						
SING AND				∩11°		. BÖADARE	شه کونس شدیک که که ک	Notice Division	PACKERS
SING OR EING TYPE		(Wedcht	1			1	OR SACKS (Cubic feet)	
nductor									Minds
esh water	8 5/8				1	1223 1	1223'	To surface	
al ,									Sizes
<u>termediat</u>	e				- 1				
cauction	41/2				2000	agging magapalated for emilian as a efficiency of the post and the Marie Salar Salar Salar.	54691	500 sacks	Depths set
tin <u>e</u>	Andrew Personal							ECONOMIC CONTROL CONTR	
ners	manus manujum								Perforations:
								Average Communication	Top Belton
			1						
	missale,			<u></u>			Andrew An	ļi.	
EN FLOW D	ATA								
Produc	ing form	ation		B	enson			Pay zone depth	5186 :- 6:
G	as: Ini	tial o	pen flo) W 3		Mef/d	Oil: Initial	open flow,	<u>0</u>
	Fin	al ope	n flow,	,	-	Mcf/d	Final o	pen flow,	0Bbl/d
		Time	of ope	en floi	w beti	ween initial	and final tes	its, hours	
S	tatic ro	ck bre	ssure,		p:	sig (surface	measurement)	after hou	rs shut in
- •	plicable			-	-				en de la companya de La companya de la co
Second	produci	ng for	mation	د مودینی به مغیر	Elk_)		Pay zone depth	5393 feet
Э									0 551/3
*	Fin			The same of the sa		The state of the s			Nov 2 3
		Time	of ope	en flov	r beti	ween initial	and final tea	sts, 7 hours)

Static rock pressure, 1240 psig (surface neasurement; after 48 hours shut it

11-35 verse)

-781

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

Fractured October 20, 1980

Elk - 20,000 lb. 80/100 sand 40,000 lb. 20/40 sand 2400 lb. breakdown 20.6 BPM at 2500 lb. 495 bbls water

Perforations - 5365 - 5393, 7 holes

Benson - 20,000 lb. 80/100 sand 40,000 lb. 20/40 sand 1600 lb. breakdown 27.3 BPM at 1800 lb. 504 bbls. water

Perforations - 5071 - 5186, 6 holes

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					Remarks
FORMATION	Color	Hard or	Z9 Top Feet	Bottom Feet	Including indication of all fresh and salt water, coal, cil and gas
	- Constitution of the Cons				
Sand & shale				105	
Coal			0	187	Water 160'
3		Scaletypp	187	197	
Sand & shale Coal			197	321	
		- Application of the control of the	321	326	
Sand, shale & red	rock.		326	788	
Coal			788	791	to the state of th
Sand & shale			791	1243	
Sand & red rock			1243	2141	
Lime		Stranger or	- 2141	2160	`·
Pencil cave		* FEAGEAGE	2160	2184	The state of the s
Lime	September 1		-2184	2228	
Injun sand	No. of the last of		2228	2340	
Sand & shale	Gréange		2340	2533	
Gantz sand		-	2533	2614	AMP IN THE STATE OF THE STATE O
Sand & shale		of the state of th	2614	5070	
Benson sand		and the state of t	- 5070	5076	
Shale	· ·	00.00	50.76	5127	
Sand	Port Contract Contrac	-Newsona	5127	5142	
Shale	and the second	. Interest	5142	5312	
Elksand			5312	5404	
Shale			5404	5584	
Total Depth			5484		
· · · · · · · · · · · · · · · · · · ·			***		
Blooding		- '		-	
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· ·	entre experience of the contract of the contra	symmetry.			
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	ten (glissoo)	: weekland	- selection of the sele	Mentione	
			annum and a second	Livring and Address of the Control o	and the second of the second o
	and the state of t	NACHASINA.	Tagling.		
	No.	unantipolojo.	denin casa		
	-	Na proposition of the contract	- Second		
	*		- 4	4	

(Attach separate sheets to complete as necessary)

	Ca:	rson l	Petroleum	Corporati	on		
 Well	l Opera	ator				The secondary over a same secondary	
By <u>A</u>	>> Q.c.J	el	711-1	0//	e garage	7	
Its	Agent						

Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geologial record of all formations, including coal, encountered in the drilling of a well."







Oil and Gas Division

AND GAS WELL PERMIT APPLICATION WISION MINES

TO THE DEPARTMENT OF MINES,							
Charleston, W. Va.	DATE October 2, 1980						
Surface Owner H. B. Gum	Company Carson Petroleum Corporation						
Adde New Milton, WV	Adde P O Box 133, Sand Fork, WV 26430						
Miseral Owner H. B. Gum	Farm Gum 56.5						
Address ' New Milton, WV							
Coal Owner None							
4 d 65000							
Coal Operator None							
Address							
THIS PERMIT MUST BE POSTED AT THE WELL SITE	- Commence						
All provisions being in accordance with Chanter 22, of the W. Va. Code, the location is hereby approved							
for <u>drilling</u> . This permit shall expire if	to be notified rau Garrett						
operations have not commenced by 6-6-81	ADDRESS Clarksburg, WV 26301						
Deputy Director Oil & Gas Division	PHONE 622-3871						
GENTLEMEN:	\cdot						
The undersigned well operator is entitled to d	rill upon the above named farm or tract of land for oil and gas, having fe						
	at or lease dated October 1 1980 by H.G. Gum						
mide to Carson Petro	leum Corporation decorded on the day of						
19 in NOT OF RECORD County, Book	Prome						
5 V							
	TEPERREDRILLFRACTURE OR STIMULATE						
OIL AND GAS WELL ORIGINALL							
The enclosed plat was prepared by a registered have been notified as of the above date.	d engineer or licensed land surveyor and all coal owners and/or operators						
The above named coal owners and/or operator to make by Section 3 of the Code, must be received	are hereby notified that any objection they wish to make, or are required to by, or filed with the Department of Mines within ten (10) days.						
Copies of this notice and the enclosed plat wen	s mailed by registered mail, or delivered to the above named coal operators ddress						
same day with the mailing or delivery of this copy	to the Department of Mines at Charleston, West Virginia.						
	Very truly yours,						
GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name) Well Operator						
	P O Box 133						
OFFICE OF OIL AND GAS	Address						
1615 Washington Street, East Charleston, West Virginia	of Well Operator Sand Fork						
Area Code 304 -348-3092 348-3096	City of Town						
	West Virginia						
·	** \$2.00 to						
motice and piat by the department of mines, to said propo	und by the Department of mines, within said period of ten days from the receipt of sed location, the department shall forthwith issue to the well operator a permit reciting the coal operators or found thereto by the department and that the same is approve						

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Simped by ___

47-017-2845

___PERMIT NUMBER

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

PROPOSED WORK ORDER TO_	X DRILL	DEEPEN	FRACTURE-STIMULATE
DRILLING CONTRACTOR: (If K		RESPONSIBLE AG	
NAME Union Drilling, In			
ADDRESS Drawer 40, Buckh TELEPHONE 472-4610		TELEPHONE 4	Box 133, Sand Fork, WV 26430 62-7009
PETIMATED DEPTH OF COMPLE	TED WELL: 5450	ROTARY X	CABLE TOOLS
PROPOSED GEOLOGICAL FORMA	ATION: Devonian Shale		
TYPE OF WELL: OIL	GAS X	COMB. STOR	RAGE DISPOSAL
			FLOOD OTHER
		All Contractions on the series of the series	GESTION THE ANGEL STATE COLUMN AND ANGEL STAT
TENTATIVE CASING PROGRAM:			
CASING AND TUBING	USED FOR	LITIN	CEMENT FILL CP
SIZE	DRILLING:	WFLL	OR SACKS - CUBIC 1-T.
20 - 16			
9 - 5/8			
8 - 5/8	1200	1200	To surface
7	1200	1200	
5 - 1/2			
4 1/2		5450	100 Comit
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom
			rerfeet
TO DRILL: SUBMIT FIVE (5) COPIES COF PLAT.	F OG - 1, \$100.00 PERM	IT FEE, PERFORMANO	CE BOND AND PERMANENT COPY
PO DRILL DEEPER OR REDRILL	:	,	
	1929, A PERMANENT C		R AND PERFORMANCE BOND. ON AND THE ORIGINAL WELL RECORD
TO FRACTURE - STIMULATE:			
			E (5) COPIES OG - 1, PERFORMANCE
	GINALLY DRILLED ON A	ND/OR AFTER JUNE 5	o, 1929, FIVE COPIES OG - 1, SHOW-
Required forms must be filed four (24) hours in advance.	within ninety (90) days of	completion for bond rel	case. Inspector to be notified twenty-
•			
The following waiver must be thereof.	completed by the coal op	perator if the permit is t	o be issued within ten days of receipt
•			Owner or Operator of the coal under
	l and place on our mine n	The state of the s	
			aid well being drilled at this location, and 7, Chapter 22 of the West Virginia
			For Coal Company

Orlieus Title