6-6 New Milton South (307)

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

Date -	April, 28,,	19
--------	-------------	----

FORM IV-35 (Obverse)

Operator's
Well No. <u>VanWerth</u> #1

C	08	-7	8	ند

WELL OPERATOR'S REPORT WELL OPERATOR'S REPORT
OF
API Well No. 47 - 017 -2955
FRACTURING AND/OR STIMULATING, OR PHYSIJAL CHANGE
State County
Permi

		DRILL	ING, FR	ACTUR	714U M	HU/UK .	STIMBLA	1110, 3		AL CHANGE		
*****	043	, .	V	/ T.:	1 au 1 d	Intect	-1on	/ Was	re Dis	posal/		
	-										Shallow	/)
						•						
LUCATION:								•		drangle:		
	DISCILL	· ·			_	· · · · · · · · · · · · · · · · · · ·			_ ~~~			
WELL OPERA	TOR - Car	son Pe	troleum	ı Cor	porat	ion	_ [DESIGNATE	ED AGEN	T Lowell M	. Johnson	
Addre	ss PO	Box 1	33				-	Addr	ess _	P O Box	133	
	San	d Fork	, WV 2	6430			-			Sand For	k, WV 26430)
		,,, V	/ Co.	w +		/ D=41	il deene	r /	Redri	7 / Pr	acture or stin	nulate
PERMITTED 1												
•	06	ner pii	Apres	C.I.G.I.S.	C 111		specii,	<u> </u>				
		-		-								
										ECTOR FOR THE		
(IF APPLIC	NUOUS PRO	OGRESSI	ON FROM	1 DRIL	LING	OR				Steve Casey		
REWOF	RKING. VI	ERBAL P	ERMISSI	ON OF	BTAINE	ED					<u>rv</u>	
											5774	
											5374	-66-
										ble Tools		
	strata (ho smos? No		
										he area? <u>No</u>		01 -
Work	was comme	enced _	Februa	ry /		, 19	81>	and comp	Teren.	rebluary	12, 19_	_01
CASING AND	TUBING	PROGRAI	q									
CASING OR	11					j Fo	OOTAGE :	INTERVALS	s [c	EMENT FILL-U	PAC	KERS
TUBING TYP	Size	Grade	Weight per ft	New	Used	For di	rilling	Left in	well	(Cubic feet)		
Conductor	and the second s	`									Kinds	
Fresh wate	r 8 5/8					1	131'	1131'		To surface		
Coal	400			150		n 777'					Sizes	
Intermedia	te	*	¥		100 C		5111					
Production	4 1/2			7	107 =	¥ 198	Commence of the Commence of th	54691		160 sks	Depths set	
Tubing				17		= 130	<u> </u>					
Liners	-			01	a G	S DIVIS	SION				Perforation	
			[DEF	打	F M	INEE				Тор	Bottom
				ļ								
		<u>. </u>		<u> </u>	<u> </u>	<u>i</u>						
OPEN FLOW	DATA											. •
Produ	icing for	mation			Ве	nson				Pay zone dept	th	feet
	Gas: In	itial o	pen flo	ow,		Mcſ	`/d	Oil: In	itial	open flow, _		i
	Fi:	nal ope	n flow	·		Mcf	/d	F1	nal op	en flow, _	0 Bb1/c	i
•											rs	
	Static r	ock pre	essure.		1	osig (s	urface	measurem	ent) a	fter h	ours shut in	agram organismo
[If	annlicabl	e due 1	to mult	iple (compl	etion]		<i>3</i> -		n di	
Seco	nd produc	ing for	rmation		Ð	* A)	exan	der		Pay zone dep	th5347-5374	feet
	Gas: In	itial o	open fl	ow, _		Mc f	r/d	Oil: In	itial	open flow, _	0 Bb1/	đ 🔭 🐃 .
	Fi										0 351/	i.
										s, <u>14</u> hou:		
	Static r	ock pr	essure.	13	280	psig (s	surface	measurem	tent) a	fter 24 h	curs shut in	-

[08-78]

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

Fractured April 27, 1981

Elk - 10,000 lb. 80/100 sand 30,000 lb. 20/40 sand 20.2 BPM at 2100 lbs. 465 bbls water

Perforations - 5347 - 5374, 9 holes

Benson - 10,000 lb. 80/100 sand 30,000 lb. 20/40 sand 21.2 BPM at 1950 lbs. 575 bbls. water 3000 lb. breakdown

WELL LOG

			<u> </u>	·	
FORMATION	Color	llard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, cil and gas
Red Rock, Sand, Sh Pencil Cave Shale Blue Monday Big Lime Big Injun Gray Shale Weir Sand Gray Shale Gantz Sand Gray Shale Benson Sand Gray Shale Leopold Sand Gray Shale Leopold Sand Gray Shale Elk Sand Gray Shale Total Depth	ale		0 2094 2123 2150 2215 2293 2360 2477 2568 2583 5043 5054 5162 5186 5315 5419 5494	2094 2123 2150 2215 2293 2360 2477 2568 2583 5043 5054 5162 5186 5315 5419 5494	Water at 107
		• • • • • • • • • • • • • • • • • • •			
		Per extra control de la contro			
		operation of the control of the cont			

(Attach separate sheets to complete as necessary)

	Carson Petr	oleum Corpora	ation	
We	ll Operator			
	4		and the way to be taken	
Ву	$\alpha \cdot m$	· Xohin	18	
T+	Agent	<i>C</i>		
Its	Agene		*	

NOTE: 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."



STATE OF WEST VIRGINIA

VanWerth #1





Oil and Gas Division

OIL & GAS DIVISION DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

	T.J., J. C = 1 =	~	ompany Carson Petroleum Co	orporation
Surface Conser_	Edmond Cole		ddress P O Box 133, Sand Fo	
Nddress	New Milton, WV		Van Werth	•
dineral Owner_	Edmond Cole		:	
Wå en	New Milton, WV		ocation (waters) Big Buck Ru	
Soal Owner	N/A	W		Elevation 1035'
ldåren .				County Doddridge
coal Operator_	N/A	•	usdrangle New Milton	
Våd==	A ANTES CITY			•
is permit MUS	F RE POSTED AT THE WELL SITE	•		
	- Land Web Chapter 22	1		
 1. 1 S. E. S. S.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		20703	and the second s
drillino	- This patitude and the	TO BE	CTOR NOTIFIED Steve Casey	
and a control of the	commenced by 9-21-81.			•
perations have in		ADDRE	ZSS Jane Lew, WV	
tul-	Sal & Gas Division	7770378	8 884-7470	
Deputy Directo	i - Oil & Gas Division.	FRURI	5 004-7470	
ENTLEMEN:				
The malesian	ad well appretes is entitled to	drill upon the abo	ve named farm or tract of land fe	or oil and gas, having for
<u>in NOT</u>	OF RECORD County, Book			
		the state of the state of	Page	TIPP OD STIMITATE
X NE	W WELL DRILL D	EEPER		TURE OR STIMULATE
X NE	W WELL DRILL D	EEPER	REDRILL FRACT	•
X NE	W WELLDRILL D. AND GAS WELL ORIGINALI	EEPER LY DRILLED BE	FORE JUNE 5, 1969.	
X NE	W WELLDRILL D. AND GAS WELL ORIGINALI	EEPER LY DRILLED BE		
X NE	AND GAS WELL ORIGINALI plat was prepared by a registered as of the above date.	EEPER	FORE JUNE 5, 1969. ensed land surveyor and all coal ied that any objection they wish	owners and/or operators to make, or are required
X NE OIL The enclosed ive been notifies The above na make by Section	W WELL DRILL D AND GAS WELL ORIGINALI plat was prepared by a registered as of the above date. med coal owners and/or operatorion 3 of the Code, must be received.	EEPER LY DRILLED BE ed engineer or lic r are hereby notif ived by, or filed	FORE JUNE 5, 1969. ensed land surveyor and all coal ied that any objection they wish with the Department of Mines wit	owners and/or operators to make, or are required hin ten (10) days. *
X NE OIL The enclosed are been notified The above na make by Section	W WELL DRILL D AND GAS WELL ORIGINALI plat was prepared by a registered as of the above date. med coal owners and/or operatorion 3 of the Code, must be received and the enclosed plat we	EEPER LY DRILLED BE ed engineer or lic r are hereby notifived by, or filed was mailed by regis	FORE JUNE 5, 1969. ensed land surveyor and all coal ied that any objection they wish with the Department of Mines wit	owners and/or operators to make, or are required hin ten (10) days. * ove named coal operators
X NE OIL The enclosed are been notified The above nation make by Section Copies of this	AND GAS WELL ORIGINALI plat was prepared by a registered as of the above date. med coal owners and/or operatorion 3 of the Code, must be recently and the enclosed plat we have above as hower respective.	EEPER LY DRILLED BE ed engineer or lic r are hereby notif ived by, or filed v	FORE JUNE 5, 1969. ensed land surveyor and all coal ied that any objection they wish with the Department of Mines wit stered mail, or delivered to the ab-	owners and/or operators to make, or are required hin ten (10) days. * ove named coal operators before, or on the
X NE OIL The enclosed are been notified The above nation make by Section Copies of this	AND GAS WELL ORIGINALI plat was prepared by a registered as of the above date. med coal owners and/or operatorion 3 of the Code, must be recently and the enclosed plat we have above as hower respective.	EEPER LY DRILLED BE ed engineer or lic r are hereby notif ived by, or filed v ere mailed by regin address py to the Departm	ensed land surveyor and all coal lied that any objection they wish with the Department of Mines wit stered mail, or delivered to the ab- day nent of Mines at Charleston, West	owners and/or operators to make, or are required hin ten (10) days. * ove named coal operators before, or on the Virginia.
The enclosed ave been notified. The above nation make by Section Copies of this recoal owners are day with the	AND GAS WELL ORIGINALITY of the above date. med coal owners and/or operator of the Code, must be recent on 3 of the Code, must be recent their above shown respective the mailing or delivery of this contraction.	EEPER LY DRILLED BE ed engineer or lic r are hereby notif ived by, or filed v ere mailed by regin address py to the Departm	FORE JUNE 5, 1969. ensed land surveyor and all coal ied that any objection they wish with the Department of Mines wit stered mail, or delivered to the ab-	owners and/or operators to make, or are required hin ten (10) days. * ove named coal operators before, or on the Virginia.
The enclosed ave been notified. The above nation make by Section Copies of this recoal owners at the day with the LEASE SUBMI	AND GAS WELL ORIGINALITY OF THE PRINT OF ALL	EEPER LY DRILLED BE ed engineer or lic r are hereby notif ived by, or filed v ere mailed by regin address py to the Departm	ensed land surveyor and all coal lied that any objection they wish with the Department of Mines wit stered mail, or delivered to the ab- day nent of Mines at Charleston, West	owners and/or operators to make, or are required hin ten (10) days. * ove named coal operators before, or on the Virginia.
The enclosed ave been notified. The above nation make by Section Copies of this recoal owners at the day with the LEASE SUBMI	AND GAS WELL ORIGINALITY of the above date. med coal owners and/or operator of the Code, must be recent on 3 of the Code, must be recent their above shown respective the mailing or delivery of this contraction.	EEPER LY DRILLED BE ed engineer or lic r are hereby notif ived by, or filed v ere mailed by regin address py to the Departm	ensed land surveyor and all coal lied that any objection they wish with the Department of Mines with stered mail, or delivered to the above the stered of Mines at Charleston, West truly yours, Carson Petrole (Name) Well Operator	owners and/or operators to make, or are required hin ten (10) days. * ove named coal operators before, or on the Virginia.
The enclosed ave been notified. The above nation make by Section Copies of this recoal owners at the day with the LEASE SUBMITEOPHYSICAL	AND GAS WELL ORIGINALIAND GAS WELL ORIGINALIAND GAS WELL ORIGINALIAND Plat was prepared by a registered as of the above date. In a control of the code, must be recently and the enclosed plat went their above shown respective me mailing or delivery of this control of the cont	EEPER LY DRILLED BE ed engineer or lic r are hereby notifived by, or filed was mailed by reginaddress by to the Departm Very	ensed land surveyor and all coal lied that any objection they wish with the Department of Mines wit stered mail, or delivered to the ab- day nent of Mines at Charleston, West	owners and/or operators to make, or are required hin ten (10) days. * ove named coal operators before, or on the Virginia.
The enclosed ave been notified. The above nation make by Section Copies of this recoal owners at the day with the LEASE SUBMITEOPHYSICAL.	AND GAS WELL ORIGINALITY plat was prepared by a registered as of the above date. med coal owners and/or operator ion 3 of the Code, must be recent their above shown respective the mailing or delivery of this control of the Copies of ALL LOGS DIRECTLY TO: L AND GAS	EEPER LY DRILLED BE ed engineer or lic r are hereby notifived by, or filed was re mailed by reginaddress by to the Departm Very (Sign	ensed land surveyor and all coal lied that any objection they wish with the Department of Mines with stered mail, or delivered to the above the stered of Mines at Charleston, West truly yours, Carson Petrole (Name) Carson Petrole (Name) Well Operator P O Box 133	owners and/or operators to make, or are required hin ten (10) days. * ove named coal operators before, or on the Virginia.
The enclosed ave been notified. The above national make by Section Copies of this recoal owners at the day with the LEASE SUBMITEOPHYSICAL. FFICE OF OI 615 Washing than leston.	AND GAS WELL ORIGINALIST AND GAS WELL ORIGINALIST AND GAS WELL ORIGINALIST AND GAS TON Street, East West Virginia	EEPER LY DRILLED BE ed engineer or lic r are hereby notif ived by, or filed v address py to the Departm Very (Sign Address of Well Operator	ensed land surveyor and all coal lied that any objection they wish with the Department of Mines wit stered mail, or delivered to the ab- day ment of Mines at Charleston, West retruly yours, Carson Petrole Well Operator P O Box 133 Street Sand Fork	owners and/or operators to make, or are required hin ten (10) days. * ove named coal operators before, or on the Virginia.
The enclosed ave been notified. The above nation make by Section of this recoal owners at the LEASE SUBMITEOPHYSICAL. FFICE OF OI 615 Washing that leston, rea Code 30	AND GAS WELL ORIGINALIST Plat was prepared by a registered as of the above date. In a coal owners and/or operator of the coal owners and/or operator of the coal owners and/or operator of the coal owners and the enclosed plat went their above shown respective me mailing or delivery of this coal coal coal coal coal coal coal coal	EEPER LY DRILLED BE ed engineer or lic r are hereby notifived by, or filed was re mailed by reginaddress by to the Departm Very (Sign Address of Well Operator	ensed land surveyor and all coal lied that any objection they wish with the Department of Mines wit stered mail, or delivered to the ab- day nent of Mines at Charleston, West ruly yours, Carson Petrole Name) Well Operator P O Box 133 Street Sand Fork City or Town	owners and/or operators to make, or are required hin ten (10) days. * ove named coal operators before, or on the Virginia. cum Corporation
The enclosed ave been notified. The above nation make by Section Copies of this recoal owners at the day with the LEASE SUBMITEOPHYSICAL. FFICE OF OI 615 Washing harleston, rea Code 30	AND GAS WELL ORIGINALIST AND GAS WELL ORIGINALIST AND GAS WELL ORIGINALIST AND GAS TON Street, East West Virginia	EEPER LY DRILLED BE ed engineer or lic r are hereby notifived by, or filed was re mailed by reginaddress by to the Departm Very (Sign Address of Well Operator	ensed land surveyor and all coal lied that any objection they wish with the Department of Mines wit stered mail, or delivered to the ab- day ment of Mines at Charleston, West truly yours, Carson Petrole Well Operator P O Box 133 Street Sand Fork City or Town West Virginia 26436	owners and/or operators to make, or are required hin ten (10) days. * ove named coal operators before, or on the Virginia. cum Corporation
The enclosed are been notified. The above nation make by Section Copies of this recoal owners at the day with the LEASE SUBMI EOPHYSICAL FFICE OF OI 615 Washing harleston, rea Code 30	AND GAS WELL ORIGINALIST Plat was prepared by a registered as of the above date. In a coal owners and/or operator of the coal owners and/or operator of the coal owners and/or operator of the coal owners and the enclosed plat went their above shown respective me mailing or delivery of this coal coal coal coal coal coal coal coal	EEPER LY DRILLED BE ed engineer or lice r are hereby notifived by, or filed was address py to the Departm Very (Sign Address of Well Operator	ensed land surveyor and all coal lied that any objection they wish with the Department of Mines wit stered mail, or delivered to the ab- day nent of Mines at Charleston, West ruly yours, Carson Petrole Name) Well Operator P O Box 133 Street Sand Fork City or Town	owners and/or operators to make, or are required hin ten (10) days. * ove named coal operators before, or on the Virginia. eum Corporation
The enclosed have been notified. The above nation of this work of this work of the coal owners are day with the CEOPHYSICAL OFFICE OF OI 615 Washing thar leston, where a Code 30	AND GAS WELL ORIGINALIST Plat was prepared by a registered as of the above date. In a coal owners and/or operator of the coal owners and/or operator of the coal owners and/or operator of the coal owners and the enclosed plat went their above shown respective me mailing or delivery of this coal coal coal coal coal coal coal coal	EEPER LY DRILLED BE ed engineer or lic r are hereby notifived by, or filed was re mailed by reginaddress by to the Departm Very (Sign Address of Well Operator	ensed land surveyor and all coal ied that any objection they wish with the Department of Mines wit stered mail, or delivered to the ab- day ment of Mines at Charleston, West truly yours, Carson Petrole Well Operator P O Box 133 Street Sand Fork City or Town West Virginia 26436	owners and/or operato make, or are required in ten (10) days. Sove named coal operation of on Virginia.

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." Herede m.

Signed by

2955

PERMIT NUMBER

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

ROPOSED WORK ORDER TO	X DRILL	DEEPEN	FRACTURE-STIMULATE			
ILLING CONTRACTOR: (If I		RESPONSIBLE AGEN				
ME Union Drilling,	Inc.	NAME Lowell M.	Johnson			
DRESS Drawer 40, Buckha	annon, WV 26201	ADDRESS P O Box	ADDRESS P 0 Box 133, Sand Fork, WV 26430			
** EPUONE 472-4610	· · ·	TELEPHONE 462-70	009			
MMATED DEPTH OF COMPLE	TED WELL: 5500 :	ROTARY X	CABLE TOOLS			
OPOSED GEOLOGICAL FORM	ATION: Devonian Shall	e				
FOR WELL: OIL	GAS X	COMBSTORA	GE DISPOSAL			
			LOOD OTHER			
· · · · · · · · · · · · · · · · · · ·			of the Tourse was also the first			
NTATIVE CASING PROGRAM:	• · · · · · · · · · · · · · · · · · · ·					
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.			
			· Make			
- 0.						
9/8	12001	1200'	To surface			
5/8	1200	1200	10 Surface			
		5500'	750 sks			
			Perf. Top			
			Perf. Bottom Perf., Top			
rs			Perf. Bottom			
PROXIMATE FRESH WATER						
OF PLAT		MIT FEE, PERFORMANCE	BOND AND PERMANENT COPY			
DRILL DEEPER OR REDRILI	•		AND DED CODMANCE BOND ON			
	O 1929, A PERMANENT		AND PERFORMANCE BOND. ON D THE ORIGINAL WELL RECORD			
FRACTURE - STIMULATE:		an i semi <mark>sele.</mark> Li i i i i i e	august 1990 to 1990 teachers and 1990 to 1990			
OIL AND/OR GAS WELL OR BOND, PERMANENT PLAT			5) COPIES OG - 1, PERFORMANCE			
OIL AND/OR GAS WELL OR ING ORIGINAL PERMIT NUM		AND/OR AFTER JUNE 5.	1929, FIVE COPIES OG - 1, SHOW-			
Required forms must be filed four (24) hours in advance.	within ninety (90) days	of completion for bond relea	se. Inspector to be notified twenty-			
	e e e e e e e e e e e e e e e e e e e	•	and the second s			
			ಕಟ್ಟಿ ಮಾಡಿಕಾಗಿ ವಿವರ್ಷ ವ್ಯಾಕ್ತಿಕರ			
			. १८ १९८५ (१) १८८ ६ (१) १८८८ १९८५ १ ८६६ । - १८६६ १९४ <mark>६२ (१) १६६</mark> १ १८८७ ६ १ <mark>८८</mark> ६६			
The following waiver must beeof.	e completed by the coal	operator if the permit is to	be issued within ten days of receipt			
VER: I the undersigned, Agen	it for	Coal Company, Ow	mer or Operator of the coal under			
this lease have examined	d and place on our mine Coal Compa	maps this proposed well lo	d well being drilled at this location.			
			nd 7, Chapter 22 of the West Virginia			
and the second of the second o	•	-				
			For Coal Company 2232 STA .			

Official Title