

SAND FORK, W.V. 26430

TRASCO

SAND FORK, W.V. 26430

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

Date February 25 , 1981 Operator's Well No. Kreen #1

PORM IV-35 -: (Obverse)

WELL OPERATOR'S REPORT 24

4 2 0 11	_	1121011		ADT
OF				API

Wel No. 27 - 017 -2931 Permi

[00-7	ر ن	DRILLI:	NG, FRACT	URING A	ND/OR STIMUL	LATINO, OR FH	SIJAL CHANGE	State County Perm
ELL TYPE:	011	/ Gas	s_X/	Liquid	Injection	/ Waste	Disposal/	
							Deep/	
CATION:	Elevation	n: <u>11</u>	.15'	W	atershed:	Sand For	k	 1:_
	District	: <u>Co</u>	ve	c	ounty: Do	oddridge	Quadrangle: <u>Vac</u>	115
TI. OPERAT	ron – Carse	on Pet:	roleum C	orporat	ion	DESIGNATED A	GENT Lowell	M. Johnson
	ss PO					Address	P O Box	133
	Sand						Sand For	k, WV 26430
	WORK: Dri	11 <u>X</u>	_/ Conve	rt	/ Drill dee	eper/ Re	edrill/ Pro	acture or stimulate
		-						
	•							
	UED ON	Tanus	any 5	1 9	81	OIL & GAS I	NSPECTOR FOR THI	S WORK:
	ABLE: PL						Steve Casey	
COMMIT	NUOUS PROCESSING. VE	GRESSIO	IN FROM D.	KILLING	Un			IV
REWUR			, 19					
=OLOCICAL	, TARGET FO				F 3.1		Depth	5320 Feet
						Notary <u>X</u> /	Cable Tools	
						feet.		•
							n the area? No	
								, 19.81
WOIN	**************************************							
ASING AND	TUBING P	ROGRAM			•			
ASING OR UBING TYP		. •	FICATIONS Weight		1	E INTERVALS	OR SACKS	
- III DNIQU	Size	Grade	per ft Ne	ew Used	For drilli	nr Left in we	ll (Cubic feet	15
enductor								Kinds
resh wate	er 8 5/8				1171'	1171'	To surface	
oal s								Sizes
ntermedia						77701	720 . 1	Depths set
roduction	4 1/2					53681	320 sks	Jacob See
ubing								Perforations:
iners					1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			Top Bottom
					(E3727	1911		1
	-				TED 77			
		- 1			CAL G GAS		<u> </u>	
PEN FLOW	DATA				SEPT. OF			4847-
Prod	ucing form	nation [Benson	<u> </u>	Pay zone dep	th 4939 fee
	Gas: Ini	tial o	pen flow	,	Mcf/d	Oil: Init	ial open flow, _	0Bbl/d
	Fir						l open flow, _	
	,	Time	of open	trum pe	etween initi	al and final	tests, hou	rs
	Static re	ock pre	essure, _		psig (surfa	ce measuremen	t) after h	ours shut in
[<i>If</i>	applicable	e due t	o multip	le comp	letion]		en e	the relative of this
Seco	nd produc	ing for	emation _	<u>4</u>	th Alex		Pay zone der	5103 5320 fee
	Gas: In	itial o	open flow	>	Mcf/d	Oil: Init	ial open flow, _	0 351/d
	Fi	nal ope	en flow,	561,0	00 Mcs/d	, Fina	l open flow,	0 =551/d
		Tine	e of open	flew b	etween initi	al and final	tests, 10 hou	ırs
	Static r	ock pr	essure, _	1/00	psig (surfa	ce measuremer	t) after <u>72</u> ?	nours shut in

08-78]

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

Fractured February 13, 1981

E1k - 20,000 lb. 80/100 sand 40,000 lb. 20/40 sand 2500 lb. breakdown 490 bbls. water 23.3 BPM at 1800 lb. Benson - 20,000 lb. 80/100 sand 40,000 lb. 20/40 sand 1600 lb. breakdown 485 bbls. water 16.7 BPM at 1500 lb.

Perforations - 5203 - 5320, 7 holes

Perforations = 4842 = 4939, 6 holes

(mare - 200)

ELL LOG

FORMATION	Color	Mard or Soft	Z4 Top Feet	Bottom Feet	Remarks Including indication of and salt water, coal, ci	all fres l and ma
	and the state of t	redia educati				-i .
Sand, Shale, Red F	lock		0	1465		
First Salt Sand			1465	1532		
Shale	State of the state		1532	1628		
Second Salt Sand	and of the state o		1628	1680		n yaganam
Shale	-		1680	1710		
Second Salt Sand			1710	1739		
Shale			1739	1840		
Third Salt Sand	o contraction of the contraction		1840	1895		
Shale			1895	2026		
Little LIme			- 2026	2039		
Pencil Cave			2039	2048	the second second	
Blue Monday			2048	2082		
Big Lime			- 2082	2132		
Big Injun			2132	2237		15.5%
Gray Shale		777	2237	2279	y a see . No is the second managers on	
Weir Sand		on-parameter of	2279	2404	and the second s	, 1 , x
Gray Shale			2404	2487		
Gantz Sand	7 CO	The state of the s	2487	2505		178,633
Gray Shale			2505	4935		e i e swi
Benson Sand	d-		-4935	4950		
Gray Shale			4950	5200		
Elk Sand	·		5200	5285		
Gray Shale			5285	. 5450	The second se	
Total Depth			5450			· * : : : : : : : : : : : : : : : : : :
	1-					
			· ·		- ﴿ وَاللَّهُ مِنْ مِنْ مِنْ مِنْ مِنْ مِنْ مِنْ مِنْ	
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and the second s						
		a verification of the control of the			والمناف المستوال المستوال المستوال	1 mg /3
		·				
	-	-			و العبر المستقدم المستقدم التي المستقدم المستقدم المستقدم المستقدم المستقدم المستقدم المستقدم المستقدم المستقد المستقدم المستقدم ا	
				į		

(Attach separate sheets to complete as necessary)

	Carson l	Petroleum Co	rporation	· -	
. Wel.	l Operator				
	<u></u>	Il m	0:14	. :	
By A	oure	elm.	Johnes		
Its _	Agent				

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

DEPARTMENT OF MINES



Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION OF MINES

TO THE DEPARTMENT OF MINES,			•		
Chirletton, W. Va.	. D	ATE	January 2	, 1981	
Surfess Owner Paul Bragg		Company Ca	rson Petrole	eum Corp	oration
Address St. Clara, WV			Box 133, Sa		
Mineral Owner Consolidated Gas Supply (Acres 466
	and the state of t				
					Blevetion VIIIS
77					
Address Koppers Building, Pittsbu Coal Operator N/A		m unci	Vadis		County Doddridg
All Province I		•			
AP	Υŧ				
of the W. Va. Code, the location :	?,				
for	d INSPE			~ '	ماند و و د
operations have not commenced by 9-8-81	TO BE	: NOTIFIED	Stave	Casey	Carrett
To (1) 15	. ADDRE	SS Jan	e Lew		
Deputy Director - Oil & Gas Division	PHONE	884-74	70		
A COS DIVISION	# ####################################		7		
GENTLEMEN:		•			
The undersigned well operator is entitled to dr	ill upon the abov	re named far	m or tract of l	and for oi	l end gas, haring (s
title thereto, (or as the case may be) under grant					. "
Gas Supply Corp. made to Carson Petrole		_	•	-	
19 in NOT OF RECORD County, Book _		•			An a see
X NEW WELL DRILL DE	• •				
OIL AND GAS WELL ORIGINALLY				RAUTURE	i OR STEMPLETTS
			•	1 t	
The enclosed plat was prepared by a registered have been notified as of the above date.	engineer or lice	nsed land su	uveyor and all	coal owns	ers and/or operators
The above named coal owners and/or operator a to make by Section 3 of the Code, must be received	ure hereby notified w	ed that any of the Depa	objection they artment of Mine	wish to m	ake, or an required on (10) days.
Copies of this notice and the enclosed plat were	mailed by regist	ered mail, or	r delivered to the	ne above n	smed cost o occusiona
or coal owners at their above shown respective ad	dress		day		before, or an the
mme day with the mailing or delivery of this copy	to the Debattme	ent of Mines	at Charleston,	West Virgi	ma.
THE PROPERTY OF LEVE			Carson Pet		
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	(Sizn	Name) × i.	will so	7 /1/2	111-12
GEOFRISICAL EGGS DIRECTED TO.			Well Ope		
	•	_ P O	Box 133		•
OFFICE OF OIL AND GAS	Address of		Street		от достовного постоя на принципання в принципання в под становорова в под становорова в под становорова в под
1615 Washington Street, East Charleston, West Virginia	Well Operator	Sand	l Fork		
Area Code 304 -348-3092 348-3096			City or To	A413	and the state of
		West	: Virginia 2	6430	
		•	- State		*
to the second of the second of the second of	e e e e e e e e e e e e e e e e e e e	*. *	and the second of		
*SECTION 3 If no objections are filed or fou	nd by the Densetm	ent of mines	within seld perio	d of ten de	vs from the manufact of
notice and plat by the department of mines, to said propose the filing of such plat, that no objections have been made by	ed location, the dep	ertment shall i	forthwith issue to	the well op	erstor a permit pedithe
and the well operator authorized to proceed.			•		Gia.
BINN	TROW		47 017 293	31	

47-017-²⁹³¹

PERMIT HUMBEN

Signed by

"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."

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

ROPOSED WORK ORDER	TO X DRILL	DEEPEN	FRACTURE-STIMULATE				
RILLING CONTRACTOR:		RESPONSIBLE AGEN	T:				
AME Union Drill	ing, Inc.	NAME Lowell	NAME Lowell M. Johnson				
DDRESS Drawer 40, B	uckhannon, WV 26201	ADDRESS P O Box	133, Sand Fork, WV 26430				
ELEPHONE 472-4610	2005	TELEPHONE 462-70	009				
STIMATED DEPTH OF CO	MPLETED WELL: 5700'	ROTARY X	_ CABLE TOOLS				
	CORMATION: Devonian Shale	• ′					
VPF OF WELL:	OIL GAS X	COMBSTORA	GE DISPOSAL				
			LOOD OTHER				
	•						
ENTATIVE CASING PROG	RAM:	•••	* · · · · · · · · · · · · · · · · · · ·				
CASENG AND TUBING SIZE	USED FOR DRILLING	LEFT IN WILL	CEMENT FILL UP OR SACKS - CUBIC ETES				
- 16							
- 10							
- 5/8		-	7				
- 5/8	1200'	1200'	To surface				
			<u> </u>				
		5700'	750 sks				
•			Perf. Top				
		,	Perf. Bottom				
3075			Perf. Top				
			Perf. Bottom				
SUBMIT FIVE (5) COP OF PLAT. DRILL DEEPER OR REI		IIT FEE, PERFORMANCE	BOND AND PERMANENT COPY				
SUBMIT FIVE (5) COPI	ES OF OG - 1, SHOWING ORIG OR TO 1929, A PERMANENT O		AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD				
FRACTURE - STIMULAT	E:						
	L ORIGINALLY DRILLED BEFO LAT AND ORIGINAL WELL RE	and the second s	O) COPIES OG - 1, PERFORMANCE				
	L ORIGINALLY DRILLED ON A NUMBER, AND PERFORMANCE		929, FIVE COPIES OG - 1, SHOW-				
Required forms must be four (24) hours in advan		completion for bond releas	e. Inspector to be notified twenty-				
en e		-3. -5	රු දැන්න දැන්න දැන්න දෙන්න දැන්නේ දැනුවෙන්නුදැක් පරදන දෙන න ිට දුසුසුව මේකෙන්				
The following waiver mureof.	ist be completed by the coal op	perator if the permit is to b	e issued within ten days of receip				
AIVER: I the undersigned,	Agent for	Coal Company, Owr	ner or Operator of the coal unde				
this lease have exa	mined and place on our mine m	naps <u>th</u> is proposed well loc	ation.				
			well being drilled at this location, d 7, Chapter 22 of the West Virginia				
Code.	:						

For Coal Company