

merrit Creek - Salt Rock (206) 6-6

CJUL 2 2 1988

State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas

Well Operator's Report of Well Work

KEENAN, EURA D. Farm name:

Operator Well No.: P-92

LOCATION:

Elevation: 896.17 Quadrangle: MILTON

County: CARELL District: GRANT Latitude: 10600 Feet South of 38 Nes. 25Min. 0 Sec.

3850 Feet West of 82 Des. 10 Min. 0 Sec. Longitude

Company: SOUTHEASTERN GAS CO.				
F. O. BOX 2347	1 Casing	l Used in	lleft	
CHARLESTON, WV		1		Fill (IPI
	l Tubins	l Orillins	i in Mei.	
Asent: FRED A. RADFORD	l Size	1	S S	1
Inspector: JERRY TEPHABOCK		•		1
Permit Issued: 07/19/88	1 9-5/8	1 947'	947'	1 335
Well work Commenced: .8/18/88	=			
Well work Completed: _9/16/88	4 1 (0	. 20211	. 00011	1 120 1
Verbal Fluddind	4-1/2	2621'	1 2021.	1 130 !
Permission granted on:				
Rotary^_ Cable Ris	2-3/8	2560'	2560'	1
Total Depth (feet)2639'	1			
Fresh Water depons (16)col	£	ع سر را	basaca	a.t.
Salt water depths (ft)1465!	ct was	1015(0)	E) /W/E	
	[The second second	(
Is coal being mined in area (Y/N) ? N	1	' JEN NOV	10/1 1000	י ושל
Coal Depths (ft):	•	1 ADD GROS 140A	10 = 1300	
	1			

OPEN FLOW DATA

Producing formation_____Berea______Pay zone depth (ft). 2544-55' Gas: Initial open flow _____Bbl/d Final open flow ______MCF/d Final open flow _____Bhl/d Time of open flow between initial and final tests_____Hours Static rock Pressure___485___psis (surface pressure) after _12__. Hours Second producing formation_______ Pay zone depth (ft)_____ Gas: Initial open flow_____Bbl/d Dil: Initial open flow.____Bbl/d Final open flow _____ Rbl/d Final open flow_______MCF/d Time of open flow between initial and final tests. _____Hours

Static rock Pressure_____Hours

NOTE: ON BACK OF THIS FORM PUT THE FOILOWING: 1). TIFTAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, FIC. (2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GFOLORICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

November 3, 1888

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY Ran CBL, perforated Berea at $\underline{2544}$ ' to $\underline{2555}$ ' - 12 hours. Broke down with 500 gals. 15% acid and 500 gals. methanol at 2910 psi. Fractured with 75Q Foam at 28 BPM, average pressure 2,208 psi. ISIP: 1530 psi, 15 min. 1430 psi. Used 430,000 SCF of N₂ and 40,000 # of 20/40 sand. Total of 278 bbl. of water.

FORMATION	ТОР	воттом	REMARKS
Sand Sandy Shale Shale Sand Sandy Shale Sand & Shale Shale Sand Shale Sand Shale Sand Shale Sand Shale Sand & Shale Shale Shale Sand & Shale Shale Sand & Shale Shale Sand Shale Shale Sand Shale Big Lime Shaley Lime Injun Sand Weir Shale Coffee (Sunbury) Shale Berea Sand Devonian Shale	0 73 112 138 226 354 510 582 649 672 747 802 851 933 1122 1422 1621 1725 1752 1758 1954 2013 2088 2497 2542 2555	73 112 138 226 354 510 582 649 672 747 802 851 933 1122 1422 1621 1752 1758 1954 2013 2088 2497 2542 2555 2639	Fresh Water 284' NOV 04 1988 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY Salt Water 1465' Show of 0il 2548'-51'
	DTD LTD	<u>2639'</u> 2637'	

011-0829

FORM WW-2B

Issued 7/19/88 Expires 7/19/90
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STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

1) Well Oper	ator:	Sou	ارماد theastern <u>Ga</u>	s Company	4400, 3	476
2) Operator'			•		3) Ele	evation: 896.17
4) Well type	e: (a) C	il <u>X</u> /	or Gas Production	<u>X</u> / 2 m ⁶ 2	cound Storage Shallov	e/
5) Proposed	Target F	ormation	(s):	_	rea Sandstone	· .
vilv. ₹			2650	A CHARLES TO SEE		
					330', 897'	
		+ f = 1			1447'	
		. 6.			639'	and the second s
			ths:			V V
					ive miner re	es/ No_X_/
11) Proposed	Well Wor	ck: D	rill New Wel	1	133	
12)		CASIN	G AND TUBI	NG PROGRAM		
TYPE	SI			FOOTAGE I		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor					-	38CSR18-11-15 Cement to
Fresh Water	9-5/8"	J	32.3	930'	930'	Syrface 39CSR19-11.2.2
Coal						1.2×
Intermediate						20000000
Production	4-1/2"	J	10.5	2650'	2650'	36CSR18-11.1
Tubing	2-3/8"	J	4.6	2650'	2650'	
Liners					DIE	PERMIE
PACKERS : Kind	d					
Siz					<u> </u>	<u> </u>
265		or Diviso	on of Oil a	and Gas Use		SION OF OIL & GAS RTMENT) OF ENERG
Fee(s) p	3.4.		Work Permit	/ ///	lamation Fun	(111
	#10: 72 71 ww-9		-2B	Bond 508	an bet	Agent
Plat A	∠ ww-a	AND MM.	TO JOY!	Juliu Do	(Type)	- Mai Agent

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Page 1 of		1000
Form WW2-A	UN JUL 13	1300 -2

(09/87)
File Copy DIVISION OF OIL & GAS 3)
DEPARTMENT OF ENERGY

Date	e :	Jul	y 11,	1988		
		's wel	l nu	mber	-9	2 .
API	Well	No:	47 -	011	_	0829
		Stat	e -	County		Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

)	Surface Owner(s) to be served:	Name (Coal not operated)
	(a) Name Eura D. Keenan	Address
	Address 988 Fudges Creek Rd. Barboursville, WV 25504	Address
		(b) Coal Owner(s) with Declaration
	(b) NameAddress	Name Eura D. Keenan Address 988 Fudges Creek Rd.
	Address	Address 988 Fudges Creek Rd.
	(c) Name	Barboursville, WV 25504
	Address	Name
	Address	Address
5)	Inspector <u>Jerry Tephabock</u>	(c) Coal Lessee with Declaration
	Address Rt. 1, Box 101-A	Name (Coal not leased)
	Ripley, WV 252/1	Address
	Telephone (304)- 372-6805	
		.m
	TO THE PERSON(S) NAMED A	BOVE TAKE NOTICE THAT:
	Included is the lease or leases o	r other continuing contract or
cont:	racts by which I hold the right to	extract oil and gas <u>UK</u>
X_	Included is the information requi	red by Chapter 22B, Article 1,
Sect	ion 8(d) of the Code of West Virgi	nia (see page 2)
	I certify that as required under	Chapter 22B of the West Virginia Code
I ha	ve served copies of this notice and	d application, a location plat, and
acco:	mpanying documents pages i through	on the above named parties, by:
	X Personal Service (Affidavit	attached;
	Certified Mail (Postmarked p Publication (Notice of Publi	ostal receipt attached)
	Publication (Notice of Publi	cation accatned)
	I have road and understand Chante	r 22B and 38 CSR 11-18, and I agree
L . +	he terms and conditions of any per	mit issued under this application.
LUL	T cortify under penalty of law th	at I have personally examined and am
Fomi	liar with the information submitte	d on this application form and all
1 a m 1	chments, and that based on my inqu	iry of those individuals immediately
resn	onsible for obtaining the informat	ion, I believe that the information
is t	rue, accurate, and complete.	•
	I am aware that there are signifi	cant penalties for submitting false
info	rmation, including the possibility	of fine and imprisonment.
	Well Operator	Southeastern Gas Company,
	By: Fred A. R	
	Its: <u>Vice</u>	President /
		Box 2347
		rleston, WV 25328
	Telephone	304-343-9566
Subs	cribed and sworn before me this 1	1th day of <u>July</u> , 19 <u>88</u>
	Do Mart 7/1	lia i
	a K. Urban Junuan. 4 Je	Notary Public
Му с	ommission expires May 2	4, 1993