

6-6 Merritt Creek-Salt Rock

(206)



WR-35



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

State of Mest Virginia

DEPARTMENT OF ENERGY
Gil und Gas Bivision

Date		2-18	8-88		
Opera	ator	's			
Well	No.		P-90		
Farm	We	ther	holt	-Ver	юу
APT N	Ю.	47 -	011	- (1821

WELL OPERATOR'S REPORT

OF

DRILLING.	FRACTURING	AND/OR	STIMULATING,	OR	PHYSICAL	CHANGE

OCATION: Elevation: 897.15 Watershed F	udges Cr	reek		
District: Grant County Cabe	11	Quadrangle	eMilton	n 7.5'
COMPANY Southeastern Gas Company				s
ADDRESS Charleston, WV	Caşing	Used in	Left	Cement
ESIGNATED AGENT Fred A. Radford	E Tubing	Drilling		fill up Cu. ft.
DDRESS Charleston, WV	Size			
SURFACE OWNER Bobby E. Venoy	20-16	e Granding and Artist	and a supplemental	
ADDRESS Rt. 2, Milton, WV 25541	Cond. 13-10"			
MINERAL RIGHTS OWNER L.B. Wetherholt, Etal	9 5/8	902'	902'	300 sks
ADDRESS Rt. 2, Milton, WV 25541	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK	7	1793'	1793'	165 sks
. Tephabock ADDRESS Rt. 1, Ripley, WV	5 1/2	1170	1170	100 383
PERMIT ISSUED 10-27-87	4 1/2	2613'	2613'	80 sks
DRILLING COMMENCED 11-21-87	3	2013	2013	00 383
DRILLING COMPLETED 12-8-87	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Berea	Charles access on the control of the	Dep	th 2651) feet
Depth of completed well 2616 feet I				
Water strata depth: Fresh 280 feet;				
Coal seam depths: 600'		being min		area? No
A		J		
OPEN FLOW DATA	200		LL 257	
Producing formation Berea Gas: Initial open flow 14.5 Mcf/d		y zone dep		
			***************************************	Section of the sectio
Final open flow Mcf/d				
Time of open flow between init		•		
Static rock pressure 420 psig(surface		ment, arte	1_/2_100	ns sinc n
(If applicable due to multiple completion		u aono don	+h	Foot
Second producing formation Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between init	ial and f	inal tosts		mirelle.
Static rock pressurepsig(surface	rai aiu i	mar cesa	1.0	march 2

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

Perforated Berea from 2531' to 2541' (11 holes). Broke formation down with 500 gallons acid and N² at 2800 psig. Fractured with 75 quality foam, average injection rate 5.9 BPM (fluid), Average treating pressure 1,893 psig. I.S.I.P = 1500 psig, 15 minutes 1500 psig. Total sand 40,000#. Total load and treatment - 278 Bbls.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	
			and salt water, coal, oil and gas
Sand	0 '	270'	
Shale	2701	320'	Freshwater 280'
Sand	320'	345'	110311watter 200
Shale	345'	380'	
Sand	380'	430'	
Shale	430'	460'	
Red Rock	460'	490'	
Sand	490'	530'	
Red Rock	530'	540'	
Sand	540'	560'	
Red Rock	560'	620'	
Shale	620'	690'	
Red Rock	690'	750'	
Shale	750'	800'	
Sand	800'	865'	
Shale	8651	9271	
Sand	927'	1175'	
Shale	1175'	1220'	
Sand	1220'	1231	Freshwater 1231'
Slate & Sand	1231'	1330'	
Salt Sand	1330'	1655'	Saltwater 1640'
Shale	1655'	1734'	
Big Lime	1234'	1940'	
Injun Sand	1940'	2080'	
Sand & Shale	2080'	2530'	
Berea Sand	2530'	2546'	Show 0il 2540'
Shale	2546'	2616'	
		T.D. 2616'	
		1.0. 2010	
Electric Log Tops:			W G G G
			FED 10 1003
Big Lime	1740'	1938'	FEB 1 9 1988
Injun Sand	1938'	2072 '	DIVISION OF SH
Pocono Shale	2072'	2484	DIVISION OF OIL & GAS
Coffee (Sunbury) Shale	2484'	2530'	DEPARTMENT OF ENERGY
Berea Sand	2530'	2543'	
Devonian Shale	2543'	2621'	Show Oil 2530'-2540'

(Attach separate sheets as necessary)

Southeastern Gas Company
Well Operator

By: Vice President

Date: February 18, 1988

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including of a well."

FORM WW-2	2 (B)	FILE	COPY	mm. +FN 20/5000.
(Obverted			Wit	
7/85			AT	
	OCT	16	1987	ושני
A 100 A 100	UUI	T O	1001	Control District



1)	Date: 0	ct.	9,			19_87
2)	Operator's Well No		P-90)	•	
3)	API Well No.	47		011	_	0821
		State		County		Permit

		STATE OF WEST VIRGINIA
DIVISION OF	OIL & GAS	DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
DEPARTMENT	OF ENERGY	APPLICATION FOR A WELL WORK PERMIT A 230
		AFFLICATION FOR A WILL WORK PERMIT

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4) WELL TY	PE: A O	il	X/ (Gas	X/		in the second se	P.	
			Producti			/ Underground	storage	/ Deep	_/ Shallow X /)
5) LOCATIO	N: Ele	vation:	897	.15			Fudges Cre		
	Dis	trict:	Gran	t 80	2\3	County:		9	Milton 7.5' 476
6) WELL OP	ERATOR_	Sout	heast	ern	Gaso	DE: <u>46400</u>	~	AGENT Fred	
Address	ъ о						Address	P 0 Box 2	
	Cha	rles	ton,	WV 2	5328		•	Charlesto	
8) OIL & GA	S INSPEC	TOR TO	BE NOT	IFIED			9) DRILLING CO		
Name	_							Unknown	
Address	Rt.	1. B	0×10	1 - 4		-	Address	-	
		•	NV 25					***************************************	
10) PROPOSE	1	- , ,	Drill	37	_/ Dril	l deeper	/ Dadrill	/ Stimulate	<u></u>
,		··· OICIE.		***************************************		n/ Perfor			
						in well (specify)	ate new formation_		
II) GEOLOGI	CAT TAD	CET FOR				erea Sands	tono - OKOK		
12) Estima							cone	· · · · · · · · · · · · · · · · · · ·	
12) Appro	vimata trati	n comple	Eroch	352	1 · Q		<i>2015</i> , 1450!/	715.	
14) Appro				131	640	_			N
					_	ñ.		area? Yes	/ NoX/
(5) CASING A	IIO I OBII				n Ca	/	343,802		
CASING OR TUBING TYPE		SPE	CIFICATION Weight	15		FOOTAGE I	NTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
	Size	Grade	per ft.	New	Used	For drilling	Lest in well	(Cubic feet)	
Conductor	13-3/8	N/A	48#		X	201	201	To Surface	Kinds ·
Fresh water	9-5/8	N/A	36#		X	9001	9001	To Surface by	38CSR18-11,3
Coal	<u> </u>		·					7	Sizes
ntermediate	7"	N/A	23#		X	1800'	1800'	Fillup 1000'	V-38C.CR18-11.1
Production	4-1/2"	J-55	10.5	X		2650'	2650'	Fillup 900' or	Depths set
Tubing	2-3/8	N/A	4.6	Х		51	2650'	by r ule 15. 0	78CCR18-11.1
Liners									Perforations:
									Top Bottom
							3 A		2010111
				11.74	1	1.4 1.44.55		· · · · · · · · · · · · · · · · · · ·	
		7		***************************************		OFFICE USE C	NLY		
						DRILLING PE			
	4.7	-011-	0821				THE TENED OF THE T	0-4-1	07
ermit number		V & L	0021	·				Uctober	27 - 87 19 87 C
								Dat	
his permit cover	ring the we	ll operato	or and we	ll locatio	n shown	below is evidence o	f permission granted	l to drill in accordan	ce with the pertinent legal re-
. 8) Prior to the	construction	nuitions t	de locati	nerein a	na on th	e reverse nereoi Noti	fication must be give	en to the District Oil	and Gas Inspector, (Refer to tractor shall notify the proper
istrict oil and ga	s inspector	24 hours	before a	ctual per	rmitted v	ork has commenced	.)	operator or his con	nactor shall notify the proper
									to the state of th
verse hereof.					ррисанс	ii, piat, and icciania	don plan, subject to	any modifications at	ia conditions specified on the
ermit expires	<u> </u>	ctobe	27,	1989		unless well	work is commenced r	prior to that date and	prosecuted with due diligence.
1	/						Λ	oner to mar date and	prosecuted with due dingence,
	. /		VIA	9	7 89	100			
Bond	Agent:		Yaff:	gasif	78	Fee/ /WD(P)	SWE/C	ther	And the state of t
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	V		- V	10 /	2	20 11			
					\mathcal{D}	1) W	1 Y/Del	full W	7 march 11/
OTE: Keep on	e copy of t	his perm	it posted	at the dr	illing loc	ation.	m ~ y ym	DUNDY !!	reguler I Apsi
			p = 5.00			/ 19i	rector, Divi	sion of Oil	and Gas File
		See	the revers	e side of	the AP	PLICANT'S COPY	for instructions to the	ne well operator.	U
								was a Baseross	

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