

BIAS BLUEPRINT INC. Htgn. W. Va.

6 Wilbur

(092)

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

## Well Operator's Report of Well Work

Farm name: WIGAL, THEODORE S. Operator Well No.: S. SMITH #1 LOCATION: Elevation: 982.00 Quadrangle: WEST UNION District: WESTUNION County: DODDRIDGE Latitude: 12750 Feet South of 39 Deg. 22Min. 30 Sec. Longitude 9500 Feet West of 80 Deg. 45 Min. 0 Sec. Company:DRILLING APPALACHIAN CORP P. O. BOX 99 Casing | Used in Left ALMA, WV 26320-0099 |Fill Up Tubing | Drilling | in Well | Cu. Ft. Agent: KENNETH R. MASON Size Inspector: MIKE UNDERWOOD Permit Issued: 06/04/90 85/8 Well work Commenced: June 8,1990 Well work Completed: עושה און אינון Verbal Plugging Permission granted on:\_\_\_ Rotary XXX Cable Rig
Total Depth (feet) 5/05
Fresh water depths (ft) 8/ feer
652 foer RECEIVED Salt water depths (ft) Is coal being mined in area (Y/N)? DEPT. OF ENERGY Coal Depths (ft): OPEN FLOW DATA Producing formation Benson SAND Pay zone depth (ft) 4917-20 Gas: Initial open flow SHOW MCF/d Oil: Initial open flow - Dol/c Final open flow 4// MCF/d Final open flow - Bbl/c Time of open flow between initial and final tests 24 Hours Static rock Pressure 1550 psig (surface pressure) after 72 Hours Second producing formation\_\_\_ \_\_\_ Fay zone depth (ft) Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/c
Final open flow MCF/d Final open flow Bbl/c
Time of open flow between initial and final tests Hours Static rock Pressure \_\_\_\_\_psig (surface pressure) after \_ Hours NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE. For: DRILLING APPALACHIAN CORP. Date: 6/27/90

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1990

## GEOLOGICAL WELL RECORD DATA

WELL NAME: S. E. Smith #1

PERMIT NUMBER: 47-017-3823

	TOP	BOTTOM	
SOIL	0	15	
BROKEN SAND	15	257	
SANDS AND SHALES	<sub>257</sub>	995	
DUNKARD SAND	985	1107	
1ST SALT SAND	1232	1290	
2ND SALT SAND	1580	1651	
3RD SALT SAND	1596	1624	
MAXON	1643	1667	
BIG LIME	1882	1958	
BIG INJUN SAND	1958	2060	SHOW GAS
WEIR	2212	2300	
BEREA SAND	2416	2420	
GORDON SAND	2625	2662	SHOW GAS
FIFTH SAND	2830	2835	
WARREN	3298	3333	
RILEY	4458	4514	
BENSON	4920	4924	SHOW GAS
TOTAL DEPTH	5105		

## WELL TREATMENT SCHEDULE

Benson Sand

4920 - 4923 Perforated with 16 holes

Formation Break Down

3087 PSI

Hydraulic frac with Nitrogen assist Average Treating Rate 17.8 barrels per min 468 barrels of gel treated water 300 sacks of 20/40 sand 50 sacks of 80/100 sand 101,000 scf of Nitrogen

Average Treating Pressure

2360 PSI

FORM WW-2B

		DEPAR	MENT OF	ENERGY, DI	VIRGINIA VISION OF ( APPLICATION	OIL AND GAS	104/92
1)	Well Op	erator:_		< 11		1445 (8)	) 670
2)	Operato	r's Well	Number:_	S. SMITH	#1	3) E	levation: 982'
4)				or Ga			
		(b)	If Gas:	Productio Dee	n_X / Underc	ground Stora Shall	ge/ ow <u>x</u> /
5)	Propose	d Target	Formatio	n(s):	Benson/Riley	17	
6)	Propose	d Total D	epth:	5500±	feet		
7)	Approxi	mate fres	h water	strata dep	ths:	35	
8)	Approximate salt water depths: 1832						
9)	Approximate coal seam depths: Joseph Coal Blossom of the						
10)	Does lar	nd contai	n coal se	eams tribu	tary to act	ive mine?	Reb Sem X
11)	Proposed	d Well Wo	rk: DF	RILL, PERFORA	ATE, STIMULATI	E NEW FORMATION	N
12)			CASI	NG AND TUB	ING PROGRAM	New Wie	ul.
TYPE			PECIFICAT	CIONS	FOOTAGE I	NTERVALS	CEMENT
	n gyaran sa ordan furmati Manana a sina ang paurina sa kapatan a sa ang pa	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up
Condu	ictor	11-3/4"	H-40	42#	30'	0'	
Fresh	Water						(d.k.)
Coal	Marie Marie de Argentia de					ets.	38 91311
Inter	mediate	8-5/8",	J <b>-</b> 55	20#	1200'	1200'	,38C <del>SR18</del> -11.2.2
Produ	ction	4-1/2"	J-55	10.5#	5150'	5150'	38CSR18-11.1
Tubin	a		· · · · · · · · · · · · · · · · · · ·			1:30	
Liner	9				D) 5(C) 5(	WISTAR	图四型。他图
PACKE	RS : Kin				113 JIN 04	ing 7	TITIM COET 18880
	Siz Dep	es ths set _			DIVISION DE	OF THE REAL PROPERTY.	WSIGNWAFOUL OR ON THE

For Divison of Oil and Gas Use Only Fee(s) paid: 4 Well Work Permit

Reclamation Fund

TIWESTON COFFOR LARGES

Page		The state of the s	
	1 of _5		) Date: <u>May 31, 1990</u>
	ww2-A	CABB LUMMODA198A	2) Operator's well number
//00/	(07)	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	C T Cmith #1
	AG. A	THE TOWN OF ON A CAS	S. E. Smith #1  3) API Well No: 47 - 017 - 3823
UVIAU	AGINO ID	TO TOWE GONOGEOUNES GAS	State - County - Permit
		MEN JOSEPH LOBETHER	State - County - Permit
/4/1 n	N 04 1390	701	A
AMPE OF	ng at 1220		OF WEST VIRGINIA
			RGY, DIVISION OF OIL AND GAS
	IN OF OIL 8 GA	· <del></del>	
DEPART	ment of liver	GMOTICE AND APPLIC	ATION FOR A WELL WORK PERMIT
4)	Surface C	wner(s) to be serve	ed: 5) (a) Coal Operator:
	(a) Name	Theodore S. Wigal	Name
		706 55th St.	Address
		Vienna, WV 26105	
•	(D) Name		
	Address _		Name
			Address
	(c) Name		
	Address _	·	Name
			hddraec
6)	Inspector	Mike Underwood	(c) Coal Lessee with Declaration
• ,	Address	Rte 2, Box 135	Name
			)ddress
	Malanhan.	Salem, WV 26426	Address
	rerebuoue	e (304)- <u>782-1043</u>	
		TO THE PERSON(S) N	AMED ABOVE TAKE NOTICE THAT:
	Included	is the lease or le	ases or other continuing contract or
con	tracts by v	which I hold the ri	ght to extract oil and gas <u>OR</u>
Y	Included	is the information	required by Chapter 22B, Article 1.
			required by Chapter 22B, Article 1, Virginia (sée page 2)
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1/28/97

My commission expires