

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

Well Operator's Report of Well Work

DOTSON, OPAL

Operator Well No.: CAIN HEIRS#7

LOCATION:

WK-33

Elevation: 865.00

Quadrangle: WEST UNION

District: CENTERVILLE County: TYLER
Latitude: 2070 Feet South of 39 Deg. 20Min. 0 Sec.
Longitude 9310 Feet West of 80 Deg. 50 Min. 0 Sec.

Company. Quarter State Corroration -				
P.O. BOX 189/1226 PUTNAM HOWE BELPRE, OH 45714-0189	Casing &	Used in 	Left	Cement Fill Up
<i>•</i>	Tubing	Drilling	in Well	Cu. Ft.
Agent: FRANK R. ROTUNDA				
	Size			
Inspector: GLEN P. ROBINSON		İ		
Permit Issued: 03/06/90	9 5/8"	1 259	2591	75 sx.
Well work Commenced: 04/05/90				
Well work Completed: 04/17/90			<u>.</u>	1
Verbal Plugging	7''	1416'	1416'	C.T.S.
Permission granted on: N/A				
Rotary X Cable Rig	•			
Total Depth (feet) 4836'			İ	
Fresh water depths (ft) 40'				
	4 1/2"	ا 4807	ا 4807	120 sx.
Salt water depths (ft) 950'				1
Is coal being mined in area (Y/N)? N			1	I
Coal Depths (ft): N/A				i
_				
•				

OPEN FLOW DATA

Producing formation	Benson	Pay zone depth	(ft) 4707-13
Gas: Initial open flow	show MCF/d O	il: Initial open flow	Bbl/c
Final open flow	100 MCF/d	Final open flow	Bbl/c
	between initia	al and final tests $\overline{}$	Hours
Static rock Pressure	psig (s	urface pressure) afte	r Hours
Second producing format	ion <u>Riley</u>	Pay zone depth il: Initial open flow	(ft) 4303-36
Gas: Initial open flow_	MCF/d O	il: Initial open flow	Bb1/c
	comm. MCF/d	Final open flow	Bbl/d
Time of open flow	between initia	al and final tests $\overline{}$	Hours
Static rock Pressure	psig (si	urface pressure) afte	r Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELLOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

> Frank Rotunda For: QUAKER STATE CORPORATION

Date: 6-25-90

> JUL 6 1350

Perf: 4707-4713 with 25 shots; 4303-4336 with 19 shots

Frac: 1st stage: 358 gal. foam, 465 sx. sand, 750 M SCF N2 2nd stage: 210 gal. foam, 250 sx. sand, 390 M SCF N2

LOG:

shale 0 - 317 sand 317 - 395 shale 395 - 458 sand 458 - 525 silt & shale 525 - 938 938 - 986 sand 986 - 1050 shale sand 1050 - 1080 shale 1080 - 1115 sand 1115 - 1160 shale 1160 - 1215 salt sands 1215 - 1566 shale 1566 - 1666 1666 - 1680 Lime shale 1680 - 1696 1696 - 1790 Big Lime Big Injun 1790 - 1884 shale 1884 - 2048 Weir 2048 - 2161 shale & silt 2161 - 4836

1) Well Ope	erator:	Quaker S	721 tate Corpora	tion 404	(1)	670
2) Operator	r's Well	Number:	Cain Heirs	#7	3) E1	levation: 865'
		0il_/		5 <u>X</u> /		
	(b)	If Gas:		n/ Underg	cound Storag Shallo	
5) Proposed	l Target	Formation	n(s): <u>·Bens</u>	on 43S		
6) Proposed	l Total D	epth: 48	335	feet		
7) Approxim	mate fres	h water s	trata dept	hs: 200'	,475	
8) Approxim	mate*salt	water de	epths: * 1	090' ,137	* 1	
9) Approxim	mate coal	seam dep	oths: N/	· Posiblelou	Massins 33-56	25/261 524 5
10) Does lar	nd contai	n coal se	ams tribut	ary to act	ive mine? Y	/es/ No_X_/
11) Proposed	d Well Wo	rk: Drill	and stimula	ate new well		
12)	,					
		CASIN	IG AND TUB	NG PROGRAM		
TYPE	S.	PECIFICAT	IONS	FOOTAGE II	ITERVALS	CEMENT
MK 1/9/90	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4"	H-40	42	250'	250'	C.T.S.
Fresh Water						
Coal					(36 Sift 11. 5
<u>Intermediate</u>	8 5/8"	H-40	. 23	1390'	1390	C.T.S.
Production	4 1/2"	J-55	9.5	48351	48351	1200' or as required by
Tubing						38CR 18 11.1
Liners						·
PACKERS : Kir						
	ths set					
4	·F	or Diviso	n of Oil a	nd Gas Use	Only	
Fee(s) p			ork Permit	Rec]	amation Fun	d WPCP
Plat Ww-9 Ww-2B Bond So Susety Agent (Type)						

47-195 1311: .:

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JAN 2 C	
THE STATE OF THE S	
DEPARTMENT OIL & O	

Date	e:	October 0	27,	1989		
Operator's well number						
Cain Heirs #7						
API	Well	No: 4	7 -	095	_	1371
		State	- C	cunty	-	Permit

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

	<u> </u>	AND APPLICATION F	OR A WELL WORK PERMIT
4)	Surface Owner(s)	to be served:	5) (a) Coal Operator:
	(a) Name <u>Upal Do</u>	otson	Name N/A
	Address Route 1	1 101 06060	Address
	Greenwo	ood, WV 26360	
	(b) Name	•	(b) Coal Owner(s) with Declaration
	Address		Name N/A
			Address
	(C) Name		
	Address		Name
		*	Address
6)	Inspector Rober	t Lowther	(c) Coal Lessee with Declaration
	Address Genera	al Delivery	
	Middle	ebourne. WV 26149	Name NA
	Telephone (304)-	758-4764	Address
	TO THE	PERSON(S) NAMED AB	OVE TAKE NOTICE THAT:
	Tmm333		
	included is the	lease or leases or	other continuing contract or
contr	acts by which I	hold the right to	extract oil and gas <u>OR</u>
$\frac{\lambda \lambda}{\lambda}$.	included is the	information requir	ed by Chapter 22B, Article 1,
Secti	on 8(a) of the Co	ode of West Virgin	ia (see page 2)
	l certify that as	ş required under C	hapter 22B of the West Virginia Code
I hav	e served copies opents	of this notice and	application, a location plat, and on the above named parties by:
	Certified Ma	ail (Postmarked no	stal receipt attached)
	Publication	(Notice of Public	star receipt attached)
	rabifeacton		acion attached)
	e terms and cond: I certify under m	itions of any perm penalty of law tha	22B and 38 CSR 11-18, and I agree it issued under this application. t I have personally examined and am
famil	rar with the into	ormation submitted	on this application form and all
accac	imencs, and that	pased on my indui	rv of those individuals immediatel.
respo	nsible for obtair	ning the informati	on, I believe that the information
is tr	ue, accurate, and	d complete.	
	I am aware that t	there are signific	ant penalties for submitting false
infor	mation, including	the possibility	of fine and imprisonment.
	•	Well Operator	Quaker State Corporation
		By: Frank	Rotunda Franklatura
		Address P.O. Bo	ated Agent
		Telephone (614)	sburg WV 26102
Subsc	ribed and sworn h	pefore me this 230	
. –			2 day of January, 1990
		Dolow & B	Notary Public
му со	mmission expires	Dolores L. Branch	-