

State of West Virginia Division of Environmental Protection Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: WESTVACO.

Operator Well No.: H. O. DOTSON #1

LOCATION:

Elevation:

1.140.00

Quadrangle: PULLMAN

District: CENTRAL

405

County: DODDRIDGE

Latitude:

1050

Feet South of 39 Deg. 15 Min. 0 Sec.

Longitude:

3780 Feet West of 80 Deg. 52 Min. 30 Sec.

Company:

KEY OIL COMPANY

22 GARTON PLAZA

WESTON, WV 26452-0000

Agent:

JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD Permit Issued: 09/17/96 Well Work Commenced: 10/30/96 Well Work Completed: 11/07/96 Verbal Plugging Permission granted on: Rotary X Cable Total Depth (feet) 5685' Fresh water depths (ft) NONE

Fresh water depths (ft) NONE
Salt water depths (ft) 1224, 1327
1830

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None Reported

			10/4 A A A A A A A A A A A A A A A A A A A
Casing & Tubing Size	Used In Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"			
8 5/8"	1151.95'	1151.95'	310 sks
4 1/2"	5495'	5495'	To surface 470 sks
2 3/8"		5310'	

OPEN FLOW DATA Warr Ballt	own	39	92' - 3572' 34' - 4510'
Riley		46	52' - 5024'
Bens		50	60' - 5072'
Producing formation Alexa	<u>ander</u> Pa	y zone depth (ft) 53	06' - 5394'
Gas: Initial open flow 0		: Initial open flow 0	Bbl / d
Final open flow 1,459	MCF/d Oil	: Final open flow show	Bbl/d
Time of open flow be	tween initial and final te	estsN/A	Hours
Static rock pressure 1600	psig (surface pressu	ıre) after <u>96</u>	Hours
Second producing formation_	<u>Commingled</u> Pa	y zone depth (ft)	
Gas: Initial open flow		: Initial open flow	Bbl / d
Final open flow		: Final open flow	Bbl / d
Time of open flow be	tween initial and final te		Hours
Static rock pressure	psig (surface pressu		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: KEY OIL COMPANY

By an Chamman

President

FEB 1 4 1997

Date: JANUARY 22, 1997

H. O. Dotson #1 (47-017-04303) Four Stage Foam Frac - Halliburton

1st Stage:	Alexander (10 h	oles) (5330.	5' - 5366.75')	60 Quality Foar 60.000# 20/40 817 bbls foam.			,
2nd Stage:	Benson (6 hole Third Riley (2 he Second Riley (2	oles) (5008.	75' - 5009'))	60 Quality Foar 35,000# 20/40 570 bbls foam.	sand, 39		•
3rd Stage:	Riley (8 holes) Balltown (2 ho				60 Quality Foai 10,000# 80/100 508,000 SCF N	sand, 3	30,000# 20/40	
4th Stage:	Balltown (6 ho Warren (6 hole			ng	60 Quality Foar 5,000# 80/100 390,000 SCF N	sand, 35	,000# 20/40 sa	and,
Clay		0	WW San	5				
Shale		5		14 .				
Sand		14		26				
Red Rock & Sa	nd & Shale	26		530				
Sand		530		543				
Red Rock & Sa	ind & Shale	543		655				
Lime		655	•	681				
Red Rock & Sa	ind & Shale	681		872				
Lime		872		883				
Red Rock & Sa	ind & Shale	883		2013				
Maxon		2013		2061				
Shell		2061		2070				
Little Lime		2070		2082				
Pencil Cave		2082 2116		2116 2203		Con C	hooko	
Big Lime Big Injun		2203		2250		<u>Gas Cl</u> 2568	NO SHOW	
Shale		2250		2426		2999	NO SHOW	
Weir		2426		2556		3802	NO SHOW	
Shale		2556		2609		4509	NO SHOW	
Berea		2609		2616		4912	NO SHOW	
Sand & Shale		2616		3442		5250	NO SHOW	
Warren	•	3442		3572		TD	NO SHOW	
Shale		3572		3934				
Balltown		3934		4510				
Shale		4510		4652				
Riley		4652		4704				
Shale		4704		4876				
2nd Riley Shale		4876 4934		4934				
3rd Riley		493 4 4982		4982 5024				
Shale		4902 5024		5024				
Benson		5060		5072				
Sand & Shale		5072		5306				
Alexander		5306		5394				
Silt & Shale		5394		5685				
TD		5685						

5685

T.D.

			THOMITE A	20 20 20 20 20 20 20 20 20 20 20 20 20 2	APPLICATION	610	1 4000
			WELL WORK	75	,55 J) 56	
46	Well Oper	aror:	KEY OIL CO	MPANY 25	031	<i></i>	
225	Operator'	s Well Nu	mber: HAT	TIF O. DOTS	ON #1	3) El	levation: 1140'
	Wall esma	. /a) ni	1 Y /	e cae	X / Undergr	losued or	1117/96
	werr clbe	: (a) Vi				expires 0	9/17/98
		(b) If	Gas: Pr				entitle the
	_				439		
5)	Proposed	Target Fo	ormation(s	3): <u>AL</u>	EXAMUER		Eng Printers
5)	Proposed	Total De	pth: 560	00	feet		S Company of the second
7)	Approxim	ate fresh	water st	rata depti	25:0-		Sign of Properties
8)	Approxim	ate salt	water dep	ths: -0-		Office	Parmire 1993
9)	Approxim		-				Permina 1993
			-				
10)	Does lan	d contain	coal sea	ns tribut	ary to acti	ve mine?	Yes / No x /
11)	Proposed	Well Wor	k:	DRILL. STIM	ULATE. PRODUC	E //////	<u> </u>
12)							-
•			CASING	AND TOBI	NG PROGRAM		
TYP	Z	SI	ECIFICATI	ONS	FOOTAGE I	NTERVALS	CEMENT
				Weight	For	Left in	Fill-up
-	and the state of the	Size	Grade	per ft.	drilling	well	(cu. ft.)
Con	ductor					de s	385K/8/1-3
Tro	sh Water	8 5/8	ERW	23	1140	(1140)	310 SKS. TO SURFACE
							2015Pian 2
Coa							1001/1841a.
Int	emediate						A the state of the
Pro	duction	4 1/2	J-55	10.5		5500	400 SKS.
ا د اص	oina	1.5					39CR; 811, 1
		1.3					
Ll	ners ·						
PAG	CRERS : Ri	nd zes					
		pths set					
27			Ear Offic	e of Oil	and Gas Use	e Only	
o }_	fee(s)	paid: (\mathcal{L}	ork Perm	$\langle A \rangle$	clamation	Fund WPCP
// <u>-</u>	7/1	777. C	Th		7 1	Ven Most	
/ 1			, \ estimates \		/	1111111111111	: (: //! \ ~~~~~
	Plat (AM-à	MY WW.	-2B	Bond J	(Type)	Agent

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San	2)

Date: SEPTEMBER 3, 1996 Operator's well number

MATTIE O. DOTSON #1

State County

API Well No: 47 - 017 - 4303

Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4)	Surface Owner(s) to be served: 5) (a) Name WESTVACO	a) Coal Operator: Name NONE
	Address 100 WESTVACO DRIVE	Name NONE Address
	(b) Name	(b) Coal Owner(s) with Declaration Name
	Àddress	Name
	(c) Name	Address
	Address	Name
		Address
6)	Inspector MIKE UNDERWOOD	(c) Coal Lessee with Declaration Name Address
	Address RT. 2 BOX 135	Name
	Telephone (304)- 782-1043	
	TO THE PERSON(S) NA	AMED ABOVE TAKE NOTICE THAT:
	Included is the lease or leases or ot	her continuing contract or contracts by which I hold the
right	to extract oil and gas OR	y Chapter 22, Article 6, Section 8(d) of the Code of West
	nia (see page 2)	
_	I certify that as required under Chap	ter 22 of the West Virginia Code I have served copies of
	notice and application, a location plat, bove named parties, by:	and accompanying documents pages 1 through on
		ached)
	Z Personal Service (Affidavit attained Mail (Postmarked population (Notice of Publication)	stal receipt attached) ion attached)
aaad	I have read and understand Chapte itions of any permit issued under this a	r 22-6 and 38 CSR 11-18, and I agree to the terms and
	I certify under penalty of law that	I have personally examined and am familiar with the
inforr	mation submitted on this application fo	orm and all attachments, and that based on my inquiry of
those	e individuals immediately responsible to e. accurate, and complete.	or obtaining the information, I believe that the information
	I am aware that there are significan	t penalties for submitting false information, including the
poss	ibility of fine and imprisonment.	rator KEY OIL COMPANY
	By:	m Jaman
	Its: PR	ESIDEN
	Address_	22 GARTON PLAZA WESTON, WV 26452
	Telephon	e 304-269-7102
Subs	scribed and sworn before me this <u>'3RD</u>	day of <u>SEPTEMBER</u> , 19 <u>96</u>
	Kara Cook	Notary Public
Мус	commission expires MARCH 24, 20	003 STATE of West Vincinha
•	-	ROUTE 2, BOX 1 SINE LENG WV 26378
		Any Commission Expires Mac. 24, 2003
		hammananananan