

Perfecting & Cass

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

Well Operator's Report of Well Work

Fa	rmoname	9	F	E.	Ē

RREBEE, MARSHALL R. Operator Well No.: HURST 2

LOCATION:

Elevation: 952.00 Quadrangle: WEST UNION

District: CENTRAL

County: DODDRIDGE

Latitude: 1070 Feet South of 39 Deg. 17Min. 30 Sec. Longitude 9800 Feet West of 80 Deg. 50 Min. 0 Sec.

company: DEVONIAN APPALACHIAN COMP				
ROUTE 1, BOX 114B MINERAL WELLS, WV 26150-0114	Casing	Used in	Left	Cement
Agent: ROBERT A. ANDERSON		Drilling	in Well	Fill Up Cu. Ft.
Inspector: MIKE UNDERWOOD	Size		Washington County	
Permit Issued: 08/26/92 Well work Commenced: 6/4/192		completion		
Well work Completed: 9/24/42 Verbal Plugging	endinger endoud			
Permission granted on: Rotary /// Cable /// Rig Total Depth (feet)		10 5	nange	
Fresh water depths (ft)	See	original WR	35	
Salt water depths (ft)//7	MARKET CONTROL			
Is coal being mined in area (Y/N)? A/Coal Depths (ft): A/A				

Wein

OPEN FLOW DATA

2150 Warren Pay zone depth (ft) عرام الم Producing formation Specialey Gas: Initial open flow //3-0MCF/d Oil: Initial open flow 5Final open flow 700 MCF/d Final open flow 5Time of open flow between initial and final tests 2 Static rock Pressure 360 psig (surface pressure) after 4 Hours Blue monday Second producing formation By Come Pay zone depth (ft) Gas: Initial open flow / 150 MCF/d Oil: Initial open flow Final open flow 700 MCF/d Final open flow 8 Bbl/d Time of open flow between initial and final tests 2 Hours Static rock Pressure 360 psig (surface pressure) after

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.

TM6	and the second	For:	DEVONIAN APPALACHIAN COMPANY, INC.		
Reviewed			By: Row R. Broken		
Reco. deta	-1		Date: 10/20/52	NOV o	140

Firsz Stæge: Perforate Speechley 3431-34 10 shots, Waræen 3278-80 4 shots. Frac with 500 gal 15% HCl 440 bbl water with Nitrogen assist and 23,000# 20/40 Ottawa sand

Second Stage: Perdorate Weir 2178-80 4 shots; 2166-68 4 shots; 2163-65 4 shots; 2160-62 4 shots. Frac with 750 gal 22% HCl, 549 bbl Water with Nitrogen assist and 45,000# 20/40 Ottawa sand

Third Stage: Perforate Lime from 1917-1920 6 shots, Perforate Blue Monday from $\sqrt{742-50}$ 10 shots. Frac with 750 gal 22% HCl 736 bbl water with Nitrogen assist and 63,200# 20/40 Ottawa sand.

See original WR 35 for well log

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

Well Operator's Report of Well Work

Farm name: FERREBEE, MARSHALL R. Operator Well No.: HURST #2

LOCATION: Elevation: 952.00 Quadrangle: WEST UNION

District: CENTRAL County: DODDRIDGE
Latitude: 1070 Feet South of 39 Deg. 17Min. 30 Sec.
Longitude 9800 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: DEVONIAN APPALACHIAN COMP

ROUTE 1, BOX 114B

MINERALWELLS, WV 26150-0114

Agent: ROBERT A. ANDERSON

Inspector: MIKE UNDERWOOD

Permit Issued: 03/12/90
Well work Commenced: 03/19/90
Well work Completed: 03/25/90

Verbal Plugging

Permission granted on:

Rotary X Cable Rig
Total Depth (feet) 5416'
Fresh water depths (ft)

Salt water depths (ft) 370'

Is coal being mined in area (Y/N)? N Coal Depths (ft):

Casing	Used in	Left	Cement
1 -	Drilling	 in Well	Fill Up Cu. Ft.
Size			
11 3/4	175	175	155 sks
8 5/8	1315'	1315'	225 sks
4 1/2	5121	5121	365 sks
	FCENV		
	MAR 2.9 199		

DIVISION OF OIL & CAS

OPEN FLOW DATA

Producing formation

Alexander & Benson

Pay zone depth (ft)

Gas: Initial open flow

Final open flow

MCF/d Oil: Initial open flow

Bbl/d

Final open flow

Time of open flow between initial and final tests

Static rock Pressure

psig (surface pressure) after

Hours

Second producing formation $\frac{Bradford}{Bradford}$, $\frac{BalltownPay}{BalltownPay}$ zone depth (ft) 4178, 4396 Gas: Initial open flow $\frac{1}{350}$ MCF/d Oil: Initial open flow $\frac{0}{100}$ Bbl/d Final open flow $\frac{1}{350}$ MCF/d Final open flow $\frac{0}{100}$ Bbl/d Time of open flow between initial and final tests $\frac{1}{200}$ Hours Static rock Pressure $\frac{1650}{1000}$ psig (surface pressure) after $\frac{1}{1000}$ 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: DEVONIAN APPALACHIAN COMPANY, INC.

By: Robert A. Anderson/President

Date: March 28, 1990

Alexander: Perf 5075 to 5089 with 16 shots 500 gal HCl and 1,000,000 SCF N_2 with additional 500 gal HCl

Benson: Perf 4791-97 with 8 shots, 4743 with 2 shots, 4688-90 with 4 sho 500 gal 28% HCl 30,000 20/40 Ottawa with N2 foam

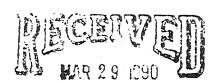
Bradford: Perf 4400 with 4 shots, 4383 with 2 shots Balltown: Perf 4207 with 4 shots, 4185-87' with 4 shots

4178-81' with 4 shots

Frac as did the Benson adding foam spacer and more acid(for

perfs)

Shale and sand:	0-1838		
Lime	1838-1902		
Big Injun	1902-2000		
Squaw	2014-2020		
• =			
Shale	2020-2148		50/10 1 1/03
Weir	2048-2212	gas check	50/10 1 1/2"
Shale	2212-2336		
Berea	2336-2338		
Shale	2338-2750		
Fifth sand	2750-2755		
Shale	2755-3249		
Warren	3249-3284	4, 1 1 1	
Shale	3284-3416		
Speechley	3416-3422		
Shale	3422-4128		
Balltown	4128-4210		30/10, 1 1/2"
Shale	4210-4397		ti.
Bradford	4397-4402		30/10, 1 1/2"
Shale	4402-4792		. ,
Benson *	4792-4794		30/10, 1 1/2"
Shale	4794-5074		,,,-
Alexander	5074-5090		30/10, 1 1/2"
			,,, -



DIVISION OF ONE A GAS DEPARTMENT OF LINERGY

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To50)

017-3800 Frac.

Reclamation Fund

Sound 8/26/92
Page OF
SUPLIES 8/26/94
DIL AND GAS DEPARTMENT OF ENERGY, DIVISION OF OIL

				JKK PERMII	APPLICATIO	<u>N</u>	
1)	Well Ope	erator:_	Devoria	a Aprola	hicen Co.	Inc 144	25 (1) 67
2)	Operator	s's Well	Number:_	47-17-3	800	3) El	evation: 95
4)				or Ga			anting an 166 a sa
		(b)	If Gas:	Production Dee	n/ Underg	round Storag	re/ vw <u>_x</u> /
5)	Proposed	l Target	Formation	n(s): Sp	ქිටු eechley, Wa	rren, Weir.	Blue Monday
6)				ompletion			
7)	Approxim	nate fres	sh water s	strata dep	ths: N/A		
8)	Approxim	nate salt	: water de	epths: N	/ A		
9)	Approxim	nate coal	l seam dep	oths:	N/A		
10)	Does lan	d contai	in coal se	ams tribut	ary to act	iye mine? Y	es/ No_X
11)						Vou Format le payzones,	
12)	·	knock				ucing payzon	es
TT 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				, , , , , , , , , , , , , , , , , , , ,	NG PROGRAM		
TYPE		<u> </u>	PECIFICAT	'IONS	FOOTAGE I	NTERVALS	CEMENT
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu: ft.)
Condu	ıctor	N/A	-				1 (Cd) (C.)
Prest	Water	N/A		WA	1134	175 (1)	115 SKS.
Coal		N/A	1 M				
Inter	mediate	N/A	7000	VILLEY	.83/9"	13/5 10	2255KS.
Produ	ction	N/A	M may	le de.	42	5/21'	365 SKS-
Cubin	ıg	N/A	W MA	DIN -			
iner	s		V KM				
ACKE		d recove				_	
Sizes 4 1/2" Depths set3450'							
27/20 Cart		F	or Diviso	n of Oil a	nd Gas Use	Cnly	

Page	1 of		1)	Date:	8/20/92	
	WW2-A 87)	AUG 2	2)	Operator Hurst	's well number : #2 No: 47 - 17 - 3	
	· ,	Pe.	3)	API Well	No: 47 - 17 - 3	800-Recomp
		() (C' .		*.	State - County - P	ermit
				VIRGINIA		
		DEPARTMENT OF ENER	GY, DI	VISION OF	OIL AND GAS	
		NOTICE AND APPLICA	TION FO	OR A WELL	WORK PERMIT	
4)	Surface Ov	wner(s) to be serve	d:			
	(a) Name	Marshall Ferrebee		Name <u>N</u>	/ A	
	Address 14 Rave	Morgan Rd. nna, OH. 44266	**************************************	Address		
	(b) Name			(b) Coal	Owner(s) with Decla	ration
	Address			Name		
				Address		
	(c) Name					
	Address			Address		
<i>c</i> >	-	34.2.1				
6)	Inspector	Mike Underwood		(c) Coal	Lessee with Declara	
	Address	Rt 2 Box 135 Salem, WV. 26426		Name		
	Telephone	(304)-782-1043		Address		***************************************
	# .:	TO THE PERSON(S) NA	MED ABO	OVE TAKE	NOTICE THAT:	
×	7	:		- 4- 1		_
cont	racte by w	is the lease or lea hich I hold the rig	ses or	orner co	ntinuing contract or	:
-0110					pter 22B, Article 1,	_
Sect	ion 8(d) o:	f the Code of West	Virgin	ia (see p	age 2)	
					B of the West Virgin	nia Code
I ha	eve served	copies of this noti	ce and	applicat	ion, a location plat	:, and
					e above named partie	es,by:
	Pers	onal Service (Affid	lavit a	ttached)		•
		ified Mail (Postmar ication (Notice of				
	FUDI				ached)	
	I have rea	ad and understand C	Chapter	22B and	38 CSR 11-18, and I	agree
to t					under this applicat	
					personally examined	
					application form and	
atta	achments, a	nd that based on my	/ inqui:	ry of tho	se individuals immed	liately
		r obtaining the inrate, and complete.	crmati	on, I bel	ieve that the inform	nation
		•	anific	ant nenal	ties for submitting	false
		ncluding the possib				rarse
					Appalachian Co., In	10.
	•	By:	dur 6	ander		
		Its: Pre				
		Address		Box 114-B		
		Telephon			WV. 26150	
Subs	scribed and	sworn before me th			august	1942
_ ~ ~		· ··· — · · · · · · · · · · · · · · · ·			J. Marie Commission of the Com	_,
					Notary	y Public
My	commission	expires	······································		Marking Commence of the Commen	

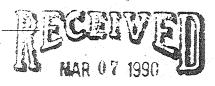
Page___of

FORM WW-2B

STATE OF WEST VIRGINIA PARTMENT OF ENERGY, DIVISION OF OIL AND GA

		DEPARI			APPLICATION		
1)	Well Ope	rator:	Devonian	4518 Appalachi	an Co., Inc	. #13530 (1) 670
2)	Operator	's Well	Number: H	lurst #2		3) Ele	evation: 952!
4)				or Gas			
		(b)	If Gas:		u <u>X</u> / Undergr	ound Storage Shallov	
5)	Proposed	Target :	Formation	(s):	onian Shale	7	
6)				5995		,	
7)	Approxim	ate fres	h water s	trata dept	hs: 124'	0,480	
8)	Approxim	ate salt	water de	pths: 126	60° Q.952		*·
9)	Approxim	ate coal	seam dep	ths:	1/A DK-	Halling and the state of the second decrease and an accommodate and the second secon	
10)	Does lan	d contai	n coal se	ams tribut	ary to acti	ve mine? Ye	es/ No_X_/
11)	Proposed	Well Wo	rk:	In Ala	J. January 1	te New a	uh ll
12)			CACIN	7		re prin u	nece
					NG PROGRAM		
TYPE	Companing Engineery 4 + Author't argunden 4 + CAMBAY 8-A ENGINEERY (ASSESSED 1977 4 1979)	S	PECIFICAT	IONS	FOOTAGE IN	TERVALS	CEMENT
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Cond	uctor	11 3/4			164	1641	Rule 38 CSR 18-11.3
Fresl	n Water	8 5/8			1350	1350 (H)	97
Coal							
Inte	rmediate		*				
Produ	uction	4 1/2			5995	5995	By Rule 38 CSR 18-11.1
Tubir	ng						
Line	rs						CENTRA
PACKERS : Kind							
111	Siz O Dep	es ths set .				4.99	AR 0 7 1990 C
147)	F	or Diviso	n of Oil a	nd Gas Use		ON OF OIL & SAS IMENT OF ENERGY
10	Fee(s) p	aid:	Well W	ork Permit	A Recl	amation Fund	I I WPCP
1	Plat (WW-9 WW-2B WW-2B Bond MMRK (JS" I Agent						

Page 1 of Form WW2-A (09/87) File Copy



1) Date: February 27, 199	0
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2) Operator's well number

Hurst #Z

API Well No: 47 - <u>017</u> - <u>3800</u>

State - County - Permit

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

3)

	NOTICE AND APPLICATION	FOR A WELL WORK PERMIT
4)	Surface Owner(s) to be served: (a) Name Marshall Ferebee Address 6214 Morgan Rd Ravenna, OH. 44266	5) (a) Coal Operator: Name
	(b) NameAddress	(b) Coal Owner(s) with Declaration Name
	(c) Name	Address
	Address	Name Address
	<u>*************************************</u>	Address
6)	Inspector Mike Underwood Address Rt 2 Box 135	(c) Coal Lessee with Declaration Name Address
	SAlem WV. 26426 Telephone (304)-782-1043	Address
	TO THE PERSON(S) NAMED AN	BOVE TAKE NOTICE THAT:
Sect:	mpanying documents pages 1 through X Personal Service (Affidavit a Certified Mail (Postmarked po Publication (Notice of Public	extract oil and gas OR red by Chapter 22B, Article 1, nia (see page 2) Chapter 22B of the West Virginia Code d application, a location plat, and on the above named parties, by: attached) ostal receipt attached) cation attached)
famil	If terms and conditions of any perm I certify under penalty of law that liar with the information submitted	at I have personally examined and am
allal	illents, and that based on my inqui	ry of those individuals immediately on, I believe that the information
is tr	ue, accurate, and complete.	•
infor	I am aware that there are signific	ant penalties for submitting false
-	mation including the possibility official SEAL Well Operator	Desonian Appalachian Co., Inc
ST POR	STATE OF WEST VIRGINIA BY:	2 Anderson
論則」	AMES S. STEVENS, JR. Its: Preside Address RR1	
32	2 70th St., SE, Charleston, WV 25304 8	Box 114 B I wells, wy. 20150
	Telephone	
aubsc	ribed and sworn before me this	- day of MARCH , 1990
	AMOS Havans	Notary Public
ny co	mmission expires Wy. 31	1998