

2

39° 29' 13.1"

otilude

55.

39°28

otitude

DEC 3 1 2009

P. O. Box 5519

Vienna, W.Va.

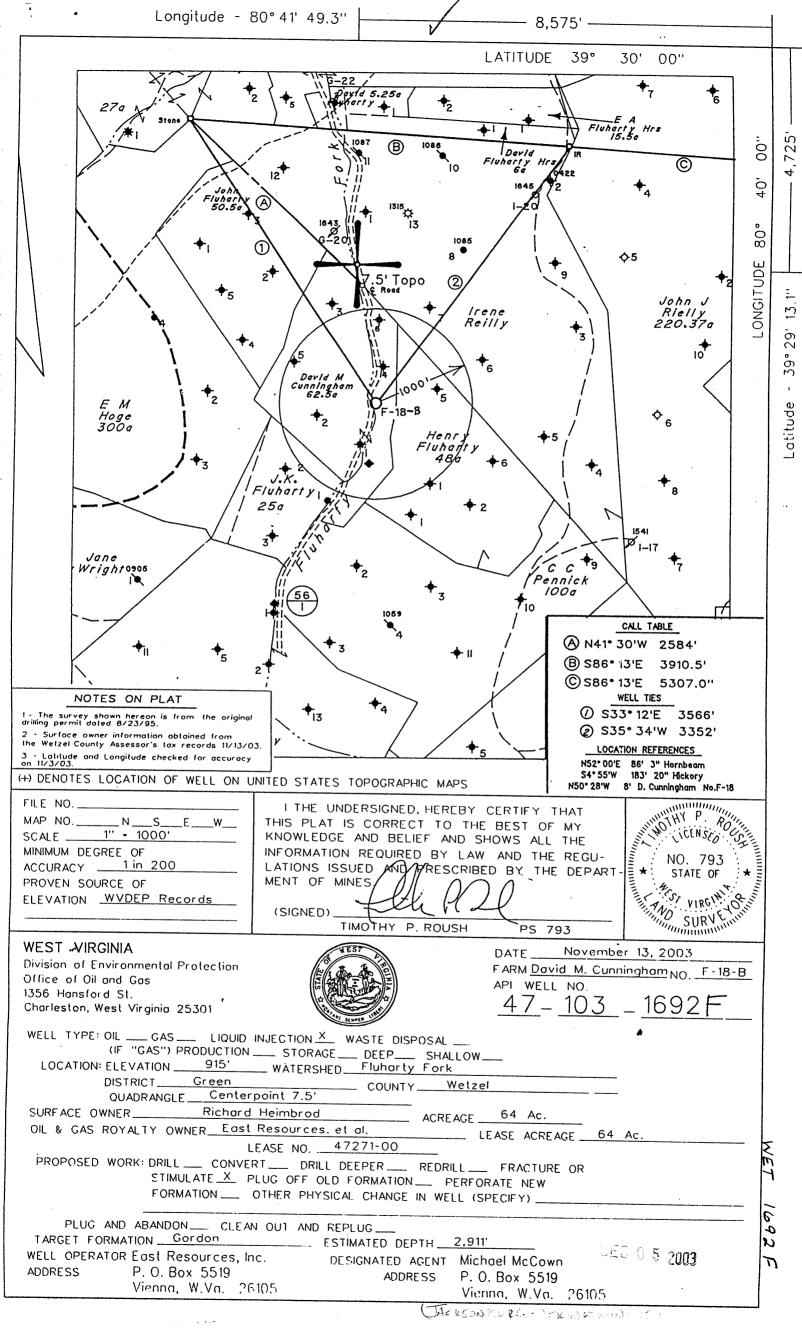
26105

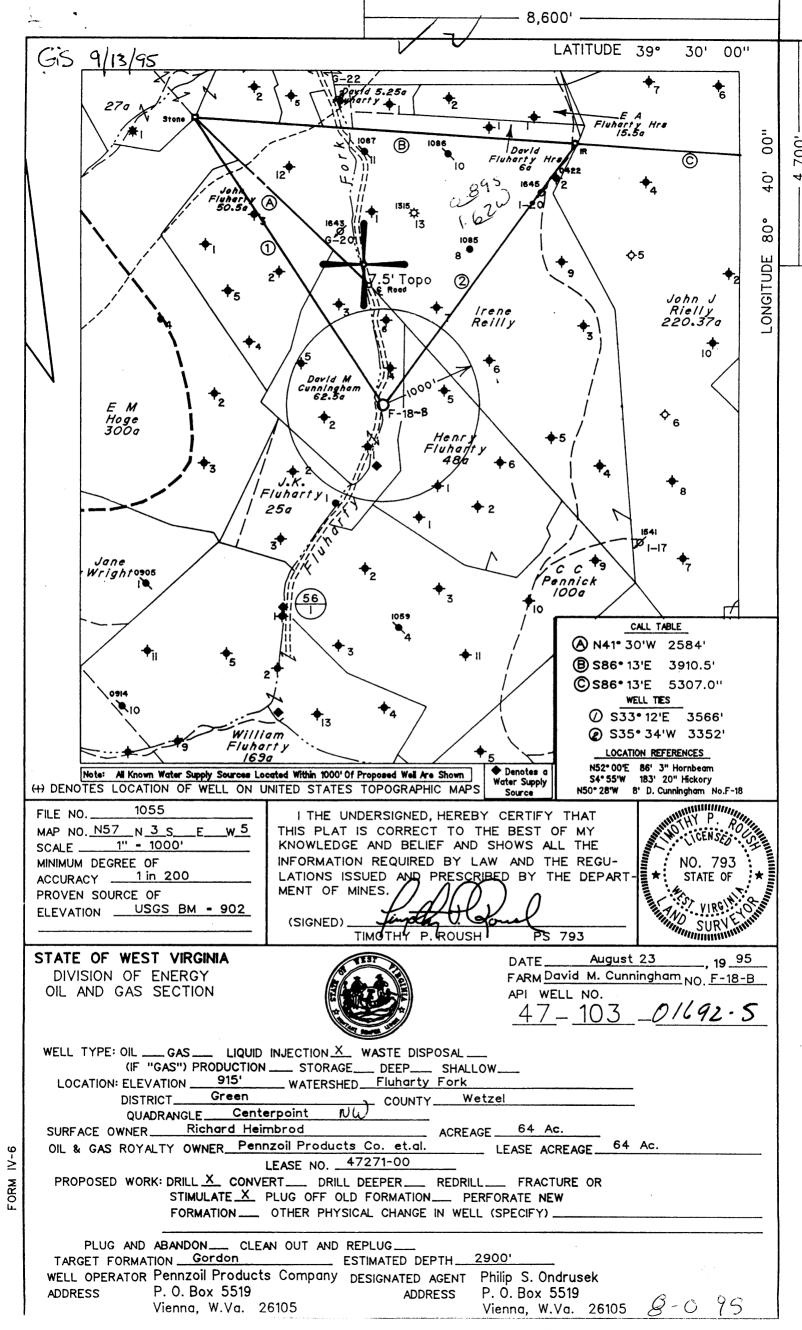
ADDRESS

ADDRESS

P. O. Box 5519

Vienna, W.Va. 26105





1/4/2010 103 01692 F API#

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

08/12/2011

Well Operator's Report of Well Work

Farm name:	HEIMBROD	, RICHARD	Ope	rator Well	No.: D. M.	CUNNINGH	AM F-18	K-R
LOCATION:	Blevation:	915'		drangle:	CENTERP			, 13
	District: Latitude: Longitude:	GREEN 4,725 Feet south 8,575 Feet west	Cou of 39	nty: WE	TZEL Min 0	Sec.		
Company:	P.O. BOX 55	URCES, INC.		Casing Tubing Size	Used in Drilling	Left in Well	Fi	ement Il Up u. Ft.
Agent:	PHILIP S. OI	NDRUSEK				~~ 11 4.3		4. I't.
Inspector: Permit Issued: Well work Com Well work Com Verbal plugging permission gran	ipleted:	ANAGE 01/04/10 03/25/10 03/26/10	, ¥	. Press, and	e esergi	· · · · · · · · · · · · · · · · · · ·		
Rotary X Total Depth (fee Fresh water dep	_Cable et)	Rig 2911 270		8 5/8"	306'	306'	105	sks
Salt water depth	• •	NA NA		4 1/2"	2846.7'	2846.7'	170	sks .
Is coal being mit Coal Depths (ft)	ned in area (Y/	N) NA N						
OPEN FLOW D	ATA	* WATERFLOOD IN	JECTOR					
Gas:	ng formation Initial open flo Final open floo Time of open ock pressure		MCF/d MCF/d and fina	Oil: Initia Final	Pay zone dend open flow open flow sure)		2781'-2 * *	789' Bbl/d Bbl/d Hours
Gas:	producing form Initial open flow Final open flow Time of open ck pressure	w	MCF/d and final	Oil: Initia Final	Pay zone dep l open flow open flow sure)	oth (ft) Hours		Bbl/d Bbl/d Hours
~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	りょうしん ひんしんけん しんご	PUT THE FOLLOWING: ANGE, ETC. 2) THE WEI DRMATIONS, INCLUDIN	1) DETAILS	OF PERFO	RATED INTE	RVALS, FRACT		A COURT
Off	RECEIVED ice of Oil & AUG 0 8 201	Gas For: BAST By: Date:				Sell		
W Enviro	V Departme Inmental Pi Jackson	ent of rotection lourg string t	own ((89) 8-	6		08	/12/20

Treatment:

Treated perfs. 2781'-2789' w/ 250 gals. 15% HCl acid, 387 bbls cross linked gel, and 25,200 # 20/40 sand.

103-1692

· Well Log:

SEE ORIGINAL WELL RECORD

RECEIVED
Office of Oil & Gas

AUG 0 8 2011

WV Department of Environmental Protection

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

		Well Ope	erator's Repo	rt of Well V	Work	RECEIVE	.D Gas	
Farm name:	HEIMBROD	, RICHARD	Operator Well No.: CUNNING PLANTED ASB					
LOCATION	I: Elevation:	915.00	Qua	drangle:	CENTERP	OILAI 148/ 10		
	District: Latitude: Longitude:	GREEN 4,700 Feet s 8,600 Feet s	south of 39	nty: WE Deg 30 Deg 40	Min 0	Sec. W Depe Sec. Environmen	artment of tal Protection	
Company:	P.O. BOX 55	URCES, INC. 19 V 26105-5519		Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.	
Agent:	MICHAEL N	MCCOWN		Size				
Inspector: Permit Issue		12/04/03	_					
Well work (Verbal plug	ging	01/07/04 01/09/04	- -	8 5/8"	306.00'	306.00'	105 sks	
permission Rotary Total Depth Fresh water	X Cable (feet)	Rig 2911 270	-	4 1/2"	2846.70'	2846.70'	170 sks	
Salt water d	epths (ft)	NA NA						
Is coal being Coal Depths	g mined in area (Y s (ft):		- -					
OPEN FLO	W DATA	Water Injection	Well					
Pro	ducing formation		Gordon		Pay zone d	epth (ft)	2746'-2810'	
Ga	±		* MCF/o		al open flow		* Bbl/d	
	Final open fl		* MCF/c		ıl open flow		* Bbl/d	
Sta	tic rock pressure	en flow between		nai tests surface pre	ssure)	* Hours	Hours	
Sec	cond producing for	rmation			Pay zone d	enth (ft)		
Ga	-		MCF/o	d Oil: Initi	al open flow		Bbl/d	_
	Final open fl		MCF/c		al open flow		Bbl/d	
	_	en flow between	initial and fi		1	Hours		
Sta	tic rock pressure		psig (surface pre	ssure)	after	Hours	
		1, PUT THE FOLLOV					TURING	
		CHANGE, ETC. 2) TI						
GEOLOGICA	L RECORD OF ALL	FORMATIONS, INC	LUDING COAL	ENCOUNTI	ERED BY TH	E WELLBORE.		

Treatment:

Treated perforations 2781' -2789' w/ 250 gals 15% HCL, 309 Bbls cross linked gel and 20,700 # 20/40 sand

Well Log:

See original well record

RECEIVED
W Division of
Environmental Protection

APR 1 0 1996

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

28-Sep-95 47-103-1692S

A. .

£4}

API#

Permitting

OI,	iice of Oil & Gas	Well Operator's Rep	ort o	f Well Wo	rk		
Farm name:	HEIMBROD, R	ICHARD	Ope	rator Well	No.: D. C	JNINGHA	M F-18B
LOCATION:	Elevation:	915.00	Qua	drangle:	CENTERP	OINT	
	District: Constitute: Longitude:	REEN 4,700 Feet south of 8,600 Feet west of		nty: WET Deg 30 Deg 40		Sec. Sec.	
Company:	PENNZOIL PRO P.O. BOX 5519 VIENNA, WV	ODUCTS COMPANY 26105-5519		Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Agent:	PHILIP S. OND	RUSEK		Size			·
Inspector: Permit Issued: Well work Com	RANDAL MICE	9/9/94					
Well work Com- Verbal plugging	pleted:	8/18/95 10/18/95		8 5/8"	306'	306'	105 SKS
Rotary X Total Depth (fee Fresh water dep	Cable R et) 291	ig 1' 270'		4 1/2"	2846.7'	2846.7'	170 SKS
riesh water dep	uis (It)	270					
Salt water depth	s (ft)	NA					
Is coal being min Coal Depths (ft)	ned in area (Y/N):	NA N					·
OPEN FLOW D	ATA *	Water Injection Well					
Produci	ing formation	Gordon			Pay zone de	enth (ft)	2746'-2810'
Gas:	Initial open flow Final open flow	* M * M low between initial and		Oil: Initia Final	d open flow open flow	*	Bbl/d Bbl/d
	•	_	18 (50	irace pres	suic)	<u> </u>	Hours
Second Gas:	producing format Initial open flow		CF/d		Pay zone de low		Bbl/d
	Final open flow	M	CF/d	Final	open flow		Bbl/d
Time of open flow between initial and final tests Hours Static rock pressure psig (surface pressure) after Hours							
Static ro	ock pressure	ps	ıg (su	ırface pres	sure)	after	Hours
INTERVALS, F LOG WHICH IS	RACTURING O	RM, PUT THE FOLLOW R STIMULATING, PHY C DETAILED GEOLOG EREDBY THE WELLBO	SICA FICAI	L CHANG	E, ETC. 2	THE WEL	J.

For: PENNZOIL PRODUCTS COMPANY

Ву: Date: Treatment: Perforated Gordon 2781-2789 (32 Holes) Treated Via 4 1/2" with 300 gal 15% HCl Acid, 230 BBL gelled water & 10,700# of 20/40 sand.

Well Log:

31.084 TH

	Sand & Shale	i de deva o de la	-	1045'
	Sand	1045'	(.)	1068'
	Shale	1068'	-	1112'
	Sand	1112'	-	1152'
	Sand & Shale	1152'	-	1884'
\$	Sand	1884'	-	1896'
	Shale	1896'	_	1910'
	Sand	1910'	-	1942'
	Shale	1942'	-	1982'
	Sand Andrew Lee	1982'	-	2127'
, .	Shale	2127'	-	2746'
	Gordon	2746'	-	2810'
	T.D.	2911'		

Haranta da Maria de Caractería de Caractería

FORM WW-3(B) FILE	E COPY						A	
(Obverse)			ECEIVE	n			1)	Date: Augu	st 31 95
10/91		Offic	ce of Oil & JIC Section	Gas		NEST T		Operator's Well No. <u>David</u>	Cunningham #F-18-F
		6			- 1		[2] 3)	SIC Code	
		SE	P 05	1995	ı		5/.1 ·	API Well NO. 47	
		1			1		. Tribadi		ate County Permit
28		Enviro	V Division	of		William work	AI" J.	UIC Permit No	
11			mental Pro	في والمنازع المنازع		STATE OF WEST	VIRCINIA	453	ued 09/28/95
7	NO	TICE OF	LIQUID	INJE	CTION	OR WASTE DISP	OSAL WELL WO	ORK PERMIT APPI	ICAMION
6) WELL TY 7) LOCATIO	ON: Ele	vation:G1	915' ceen		-(3)	Car	ershed: Wetzel	luharty Fork	3 0
8) WELL OF		Penr	izoil P	rodu	cts	Company 37450		Quadrani	de: Centerpoint
	ddress	P. (). Box	5519		4670) DESIGN		ip S. Ondrusek
		Vier	na, WV	26	105		A		Box 5519
10) OIL & GA	AS INSPE	CTOR TO	BE NOTI	FIED		·		Vien	na, WV 26105
Name	Mike	Underw	rood						
Address	Rou	te 2,	Box 13	5				G CONTRACTOR:	
		em, WV					Name		
							Address	i	
12) PROPOSE	FD WFI	WORK.	Drill	X	, 5	***			
, 11101 001		WORK.			_/ Dr		/ Redrill	/ Stimulate	X
			riug o	11 010	iorma	tion_/ Perforale	new formation/	Convert_/	
13) GEOLOG	ICAI TAE	CET FO	Other p	nysical	change	in well (specify)			
	Death 2795								
15) Approxima	the state of the s								
	15) Approximate water strata depths; Fresh, 95 feet; salt, 1122 feet. 16) Approximate coal seam depths: 727!								
					77				
17) Is coal being						•			
18) Virgin rese						psig. Source <u>Es</u>	stimated		
19) Estimated	reservoir fr	acture pre	ssure	350)0	· · · · · · · · · · · · · · · · · · ·	psig (BHFP)		
20) MAXIMU	M PROPO	SED INJ	ECTIONO	PERA	TIONS:			Bottom hole pres	2332
21) DETAILE	DIDENTI	FICATIO	N OF MAT	ERIA	LS TO E	BE INJECTED, INCL	UDING ADDITIV	Fresh water	sure <u>2332</u> er, produced water & improve oil
	10106	and (other c	nemi	cals	as needed to	maintain w	ater quality	& improve oil
	,				, CO	ainen ritrara	•		recovery
23) SPECIFIC	ATIONS F	OR CATI	HODIC PR	OTEC	TION A	ND OTHER CORRO	OSION CONTROL		recovery
24) CASING A	ND TUBI	NG PRO	GRAM						
CASING OR	1	SPEC	IFICATIONS			POOTAGE I	MTERVALO		
TUBING TYPE	Size	Grade	Weight per ft.	New	Used		1	OR SACKS	PACKERS
Conductor			1	1.44	U 1876	For drilling	Left in well	(Cubic feet)	
Fresh water	8-5/8	L.S.	20	х		206	-	 	Kinds
Coal				_ ^		306	306	Cement to	
Intermediate			 	 	 			surface	Sizes
Production	4-1/2	J-55	10.5	X		2900			
						n /9((()	2000		

2900

2900

Lease

Cement over

salt sand

58-A

Book

Depths set

Perforations:

., 19_78

at page

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

25) APPLICANT'S OPERATING RIGHTS were acquired from Vesta R. Holbert et vir by deed / lease X / other contract / dated December 5
Wetzel County Clerk's off: 100000

County Clerk's office in

Tubing

, of record in the 205

FORM WW-3(A)
Obverse

RECEIVED
Office of Oil & Gas
UIC Section

SEP 0.5 1995

WV Division of Environmental Protection

submitting false information, including the

possibility of fine and imprisonment.

1)	Date	August	31,	1995	
	Operat	or's			

2) Well No. David Cunningham #F-18-B

3) SIC Code

4) API Well No. 47 - 103 - 1692-5

State County Permit

STATE OF WEST VIRGINIA

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION for the

•	for the
division of oil and	GAS, DEPARTMENT OF ENERGY
S) SURFACE OWNER(S) OF RECORD TO BE SERVED	7 (i) COAL OPERATOR N/A Address
(i) Name Richard Heimbrod	
Address Box 25	7 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Clarington, OH 43915	Name
(ii) Name	Address
Address	
	7 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
(iii) Name	Name
Address	Address
1.001 000	
TO THE PERSON (A) WAYNER AROUND W. I. I.I.L.	
TO THE PERSON(S) NAMED ABOVE: You should hav	e received this Form and the following documents:
	on or Waste Disposal Well Work Permit on Form
	involved in the drilling or other work, and
(2) The plat (surveyor's map) showing th	
(3) The Construction and Reclamation Pla	n on Form WW-9 (unless the well work is only
to plug a well), which sets out the	plan for erosion and sediment control and for
reclamation for the site and access	road.
The date proposed for the first injection	or waste disposal is, 19
	AT YOU HAVE RIGHTS REGARDING THE APPLICATION
WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON	THE REVERSE SIDE OF THE COPY OF THE APPLICATION
(FORM WW-3(B)) DESIGNATED FOR YOU. HOWEVER,	YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.
Take notice that under Chapter 22B of the Wes	st Virginia Code, the undersigned well operator
	Application and accompanying documents for a
	vision of Oil and Gas, West Virginia Department
	ation described on the attached Application and
	is Notice, the Application, the plat, and the
	mailed by registered or certified mail or deliv-
	by publication in certain circumstances) on or
before the day of mailing or delivery to the	Director.
The person signing this document shall make t	1.
following certification:	.uc
following certification:	
"I certify under penalty of law that I h	
personally examined and am familiar with	/ / / / / /
information submitted in this document a	
attachments and that, based on my inqui	
those individuals immediately responsible	
obtaining the information, I believe that	
information is true, accurate, and comp	
am aware that there are significant pena	alties for Telephone (304) 422-6565