

API#

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

Well Operator's Report of Well Work

Farm name:	Dallison Lun	nber Company :	eterri Agres de	Oper	ator Well	No.: L.S. I	Hoyt #110		
LOCATION:	Elevation:	1,314.00		Quad	lrangle:	Pine Grove	;		
	District: Latitude: Longitude:		et south of et west of		ity: Wet Deg 37 Deg 37	Min 30	Sec.		
Company:	P.O. BOX 5	PRODUCTS C 519 /V 26105-5519			Casing & Tubing	Used in Drilling	Left in Well	Cemer Fill U _I Cu. Ft	,
Agent:	PHILIP S. C	NDRUSEK			Size		1.5		
Inspector: Permit Issued: Well work Con	Randal Mick	8/19/96 10/5/96							
Well work Con Verbal plugging permission gran	npleted:	11/1/96			8-5/8"	1275'	1275'	365 Sa	acks
Rotary X Total Depth (fe Fresh water de	_Cable eet)	Rig 3406' NA			4 ½"	3321.90'	3321.90'	275 Sa	acks
Salt water dept		NA NA			-				
Is coal being m Coal Depths (fi		/N) 1216-1230	<u>N</u>						
OPEN FLOW	DATA	*Well was di	rilled as a wa	aterfloo	od injection	n well. No c	ppen-flow data w	as obtained	•
Gas: Static	rock pressure	low ow en flow between	* Men initial an	ACF/d ACF/d nd fina	Fina		* Hours	* Bt	82 ol/d ol/d ours
Gas:	d producing fo Initial open f Final open fl Time of op rock pressure	low	Men initial an	ACF/d nd fina	Fina	Pay zone dal open flow lopen flow ssure)		Bt	ol/d ol/d ours
OR STIMULATI	NG, PHYSICAL	M, PUT THE FOL CHANGE, ETC. : FORMATIONS,	2) THE WELL	LOGV	VHICH IS A	SYSTEMAT		TURING	
		Fo	or: PENNZO By: Date:	OIL PI	OBUCT:	SCOMPAN 8/26	110	1 5 199	16

Treatment:

Perforations:

3276-3280 -4 holes/ft. (16 holes)

Teatment:

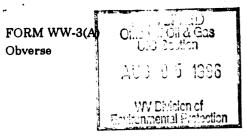
Treated via 4.5" Casing with 300 gals. 15% HCl, 217 bbls.

Borate cross-linked gelled water and 11,000 lbs. of 20/40 sand.

Well Log:

0 10011	•		1011
Sand & Shale	0	-	1216
Coal	1216	-	1230
Sand	1230	-	1250
Shale	1250	-	1311
Sand	1311	-	1323
Shale	1323	-	1370
Sand	1370	-	1420
Shale	1420	-	1709
Sand	1709	-	1749
Shale	1749	-	1756
Sand	1756	-	1760
Shale	1760	-	1822
Sand	1822	-	1850
Shale	1850	-	1880
Sand	1880	-	1920
Shale	1920	-	1926
Sand	1926	-	1943
Shale	1943	-	2174
Sand	2174	-	2201
Shale	2201	-	2233
Sand	2233	-	2314
Shale	2314	-	2362
L. Lime	2362	_	2400
B. Lime	2400	-	2460
B Injun	2460	-	2558
Shale	2558	-	3236
Gordon Stray	3236	-	3261
Shale	3261	-	3271
Gordon	3271	-	3282
Shale	3282	-	3406

FOR	M WW-3(B)	PERMIT	٢	COPY				1)	Date		July 30 , 199	96	
Obve	T P		3)					2)	Well No.	1	.S. Hoyt N	lo.110	
10/9		ن.ل ن.ل	, Willia Ga Gardon	.3					SIC Code API Well No.	47 -	103	• 1	L711-I
		AUS	0 5 13	33				5)	UIC Code	State	County		Permit
	NOTICE	Environment Line		čiid n	or w	ASTE f	WEST VIRGIN DISPOSAL W	ia Ell W	ORK PER	MIT APPI	pus	08/a 08/2	
1]	DIVISIO	N OF EN	VIRON	MEN'	ral P	ROTECTION.	<u>OFFI</u>	CE OF OIL	AND GAS	<u>3</u> ′		
r 7	WELL TYP	E:	Liquid	Injection	<u>x</u>		Gas Injection			- Wast	e Disposal		
	LOCATION	: District	Elevation	1314 Grant		(4) c	Wat ounty Wetze	ershed el	Little I	Sishing Cree Quadrangl		ine Grov	- 54
	WELL OPE	RATOR:	Pennzoil	Products (Compai	ny 4	9) DE	SIGNA	TED AGENT:	- Phili	p S. Ondru	sek	
			P.O. Box				· · · · · · · · · · · · · · · · · · ·			P.	O. Box 551		
				VV 26105						·	na, WV 26	105	
10)	OIL & GAS		Randal M		D:		11) D	RILLIN	G CONTRAC Name				
				shere Dri	ve				Address	-			
			Manning	ton, WV 2	6582		-						
12)	PROPOSED	WELL WO	ORK:	Drill Dr.		X ld Form	Drill Deeper	Denfer	Redrill		Stimulate	X	
					_		iation ge in Well (specify)	_	ate New Form	ation _		Convert	
13)	Geological t	arget forma	tion		Gordo	n 410	Depti	1	3204	Ft. (Top) t	3219	Ft.	(Botton
14)	Estimated d	lepth of com	pleted we	ll (or actu	al depti	of exis	sting well)		3304	I	⁷ ቴ.		
15)	Approximat	e water str	ata depths	::	Fresh		494	Ft.		Salt		1614	Ft.
16)	Approximat	e coal seam	depths:				1114	Ft.				<u></u>	
17)	Is coal being	mined in t	he area?				Yes		X No				
18)	Virgin reser	voir pressu	re in targe	et formatio	n:		1400		psig.	Source_		Estimate	ed
19)	·Estimated r	eservoir fra	cture pre	ssure:			3500	-	psig.				
20)	Maximum p	roposed inj	ection ope	rations:		Volu	me per hour	25 bbl.		Bottom Hole	Pressure	2332 psi	g.
21)					_,	,	ing additives: improve oil recover	ry.	Fresh water,	produced wa	iter, bacter	ricides an	<u>.d</u>
22)	Filters (if ar	ıy):	Cartridge	e filters an	d/or ∞	al bed f	ilters						
23)	Specification	ns for catho	dic protec	tion and o	ther co	rrosion	control:	•					
24)	CASING AN	ND TUBING											
1	ING OR ING TYPE	Size	SPECII Grade	FICATION Weight	•	Used	FOOTAGE I For Drilling	•	'ALS ft in Well	CEMENT OR SA		PAC	KERS
	luctor	Bize	Grade	Weight	1100	Oseu	1 of Diming	Le	r m wen	OR SA	icns	Kinds	·
Fres	h Water	8 5/8"	L.S.	20#	X		1164		1164	Cement To)		
Coal										Surface		Sizes	
	mediate :	4 1/2"	J-55	10.5#	X		3304	 -	3304	Cement O	/AT	Depths 8	Set
Tubi										Salt Sand	·	20pms (
Line	rs											Perforat	ions
			<u> </u>		 							Тор	Bottom
		1	<u> </u>		 					 			
25)	APPLICAN	TS OPERA	TING RIG	HTS were	acquir	ed fron	L.S. I	l loyt et	al.	1	······································	I	
-	by Dee		Lease		-	her Co		Dated	Jan. 6,	1902		of record	l in the
			Wetzel		Count	y Clerk	's Office in	Lease	Book	76 £	t Page	300	



6)

T

1) Date		July 30, 19	996	
2) Well No.		L.S. Hoyt	No. 11	10
3) SIC Code				
4) API Well No.	47 -	103	•	10311711-6
_	State	County		Permit

STATE OF WEST VIRGINIA

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

DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY

SUR	FACE OW	VNER(S) OF RECORD TO BE SERVED	7 (i)	COAL OP	ERATOR:
				Name	N/A
(i)	Name_	Dallison Lumber Inc.		Address	
	Address _	Route 2, Box 50		•	
		Jacksonburg, WV 26377	7 (ii)	COALO	VNER WITH DECLARATION ON RECORD:
(ii)	Name	Delbert E. Rush			DUPECH, Inc.
	Address	H.C. 62, Box 63		Address	6451 Pleasant St.
		Pine Grove, WV 26419		•	Library, PA 15129
(iii)	Name _		7(iii)	COAL LE	ESSEE WITH DECLARATION ON RECORD:
	Address			Name	N/A
	_			Address	
	_			•	
) THE	DEDGON	N(S) NAMED ABOVE: You should have		D	141 611 : 1
JINE	remour	(S) NAMED ABOVE: You should have	e received this	rorm and	d the following documents:
(1) The	Applica	ation for a Liquid Injection or Waste I	Disposal Wel	Work P	ermit on Form WW-3(B), which
		parties involved in the drilling or oth			(), () () () () () () () () ()
(2) The	e plat (su	arveyor's map) showing the well locat	ion on Form	WW-6; a	nd
(3) The	Constr	uction and Reclamation Plan on Form	n WW-9 (unl	ess the w	ell work is only to plug a well),
		out the plan for erosion and sediment			
ha dat		ad for the first injection or waste dis-	1:-		
ne uai	e propos	ed for the first injection or waste disp	osai is		
HE RE	ASON YO	OU RECEIVED THESE DOCUMENTS IS	THAT YOU	HAVE RI	GHTS REGARDING THE APPLICATION
HICH	ARE SUI	MMARIZED IN THE "INSTRUCTIONS"	ON THE REV	ERSE SII	DE OF THE COPY OF THE APPLICATION
ORM V	WW-3(B))	DESIGNATED FOR YOU. HOWEVER,	YOU ARE NO	T REQU	IRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Director of the Division of Oil and Gas, West Virginia Department of Energy, with respect to a well at the location described on the attached Application and depicted on attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Director.

The person signing this document shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Pennzoil Products Company
Well Operator

 $U_{-}/I/Y$

Timothy P. Roush

Its Supervisor, Surveying/Mapping

Telephone (304) 422-6565

M WW-3(B)	PERMIT COPY	
verse)		energy of the
		OFFICE USE ONLY
		DRILLING PERMIT
Permit number	47-103-1711-LI	August 20th. 1996
quirements subjection 8) Prior to the	t to the conditions contained herein	Date on shown below is evidence of permission granted to drill in accordance with the pertinent legal and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Ref dipits for any permitted work. In addition, the well operator or his contractor shall notify the presented work has commenced.)
The permitted wor conditions specifie		pplication, plat, and (if required) construction and reclamation plan, subject to any modification
Permit expires	8	20-98unless well work is commenced prior to that date and prosecuted with due dilig
Bond:	Agent: Plat: Cas	0301284747 Wie Live De OU AND GAS
	PERMIT MODIFICATIO	NS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK
·		

		OFFICE.USE ONLY

+ =	Date					Date(s)
application received		Follow-up inspection(s)				
Vell work started			**	••		
otal depth reached			••	**		
Vell Record received			••	••		
Reclamation completed			••	••		
OTHER INSPECTIONS					ķ	
Reason:						