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NOV 1 ± 1983

OIL & GAS DIVISION
DEPT: OF MINEL

CTATE OF WEST VIRGINIA DEPARTMENT OF MINES

Oll and Gas Division

Oudmade Tar Primit No. 47-0	87-3774-Li	WELL	RECORD		Cable	Oil Oil Comb
Compay Per Added P.O. Box Fur W. M. Lo Location (1911) Well No. 40 District Smithfiel The surface of tract in Ferrell Bo Addess Left Addess Left Addess Addess Drilling Completed Initial open now WI	1588, Parkersburgersbur	Elev 1069.18' Roane hfield encer, WV	Tubing	Used in Drilling 389 2165	Left In. Well	Cement (Cu. fi. (:
Well trestment dessilt: Fracture	d: 10/10/83 w/		D'sd	Inches	ec water	
Formation Color	Hard or Soft	Top Feet	Depti	Oil, G21 01 W		
Silt & Shale Silt & Sand Shale, Silt, Sand Salt Sand Silt, Shale, Sand Little Lime Blue Monday Pencil Cave Big Lime Big Injun Pocono Shale Total Depth		0 76 110 1600 1840 1904 1948 1956 1971 2076 2111	76 110 1600 1840 1904 1948 1956 1971 2076 2111 2184			2 1984

FORM IV-3 (Obverse)	1) Date: May 19 1983 2) Operator's
[O2-83] DRILLING CONTRACTOR	Well No. W. M. Looney #40 3) SIC Code
	4) API Well No. 47 - 087 - 3774 State County Permi
	5) UIC Permit
STATE OF WEST V LIQUID INJECTION OR WASTE DISPOS FOR BO DEPT. OF MINES. OFFICE OF OUR AND CAS. TO	AL WELL PERMIT APPLICATION
DEPT. OF MINES, OFFICE OF OIL AND GAS, D	NR, DIVISION OF WATER RESOURCES
6) WELL TYPE: Liquid Injection X /	Disposal/ Gas Injection_/
7) LOCATION: Elevation 1069.18'	Watershed Sycamore Fork
District Smithfield	County Roane Quadrangle Tariff 7.5'
8) WELL OPERATOR Pennzoil Company	12) DESIGNATED AGENT James A. Crews
Address P. O. Box 1588	Address P. O. Box 1588
Parkersburg, WV 26101	Parkersburg, WV 26101
9) ROYALTY OWNER Keith Crihfield	13) COAL OPERATOR NO COMMERCIAL COAL
Address P. O. Box 431	Address
Spencer, WV 25276	describe and a second control
Acreage 480	14) COAL OWNER(S) WITH DECLARATION ON RECORD:
O) SURFACE OWNER Ferrell Boothe	Name
Address Left Hand, WV	Address Fills Call Sin
Acreage 40	Name MAY 2 0 1983
1) OIL AND GAS INSPECTOR TO BE NOTIFIED BEFORE	Address
DRILLING, AND 24 HOURS IN ADVANCE OF ANY MECHANICAL INTEGRITY TEST	
•	
Address Linden Rt., Box 3A	WILL DEPOTATION ON RECORD:
	Name
Looneyville, WV	Address
dated 12-14- ,12 1988to the undersigned to (If said deed, lease, or other contract has Recorded on ,19 , in the office Roane County, West Virginia, in permit is requested as follows:	been recorded:) e of the Clerk of the County Commission of Lease Book 3 at page 390 . A
) PROPOSED WORK: Convert / Drill X / Drill doff old formation / Other physical change i	u well (Specity)
) rate of first liquid injection or waste dispo	sal:,19
PROPOSED WOR THIS IS AN EST ACTUAL INFORMATION MUST BE SUBMITT	K ORDER
Estimated depth of completed well 2150 f	POT POTON IV-37 UPON COMPLETION
Approximate water strata depths: Fresh,	Foots / Cable tools /
Approximate coal seam depths:	reer; sair, feer.
Approximate coal seam depths: Is co	Dal being mined in the area? Yes / No X /
	Depth 2074 feet (top) to 2109 feet (bottom)
b) Estimated reservoir fracture pressure c) Perforation intervals MAXIMIM PROPOSED INTECTION OPERATIONS	formation 80 psig; Source Estimated psig (BHFP) pen-hole intervals
MAXIMUM PROPOSED INJECTION OPERATIONS Volume per hour: 12 Bbls	Danta at 1
DETAILED IDENTIFICATION OF MATERIALS TO E	E INTECTED PLUS APPLICATION
Fresh Water	- TIDECTED - PLUS ADDITIVES
SPECIFICATION FOR CATHODIC PROTECTION AND	OTHER CORROSION CONTROL
) FILTERS (IF ANY) Coal Filte	
Logi Filte	r'S

27)	CASING AND T	UBING	PROGR	AM								
	CASING OR TUBING TYPE	SPECIFICATIONS Weight				FOOTAGE INTERVALS					P PACKER	
		Size	Grade	per ft.	New	Used	For	dri	lline	Left.	OR SACKS Cubic ft.	
	Conductor							entition(Newson		TIL WCIT	CODIC IL.	
**	Fresh water	7				Х	2	7 -	005	27.605		Kinds
	Coal				 		3	75	225	375888	Cement to surfa	ate NeaT
	Intermediate											Sizes
								and the same of th				
		4-1/2	K55_	9.5	<u> </u>				2150	2150	Over Salt Sand	Depths
	Tubing											
	Liners											Perforation
												Top Botto
28)	Copies of	thi s	Permi t	Applica	roion	and	tha	0001	الممما	-1-4		
28) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed or delivered by hand to the above named coal operator, coal owner(s), and to the Department of Mines at Charleston, West Virginia. The person signing this document shall make the Pennzoil Company												
		9	æ.								Well Operato	or
	"I certify un personally exa	ler p	enalty	of law	that	I ha	ve					
	and the state of t		cen in	this do	79 mm /s	make man	3]	By ou	rtw G-Rece	es_
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a	E CILLS Location	"TO 17%"	rani da	J 46	-17			UU.,		r ro rie	work proposed all applicable	to be done
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enni t	number	47-0	<u> 087–377</u>	4-LI		T THEY IL	Ŧ				June 13	40
•					•						Date	1983
us pe	mit covering	the	well o	nerator	and .	1 [01:	1		•			
anted	to drill in	accon	dance	with the	per	werr Linen	t les	cion pal	Show reani	n below	is evidence of subject to the	permission
n Gas	Inspector pri (Refer to No-	on this is on the second on the second of th	he revo	erse her construct	eof. Tion	Not:	fica bads,	itio	n must	be givens and pi	subject to the en to the Distr its for any per	conditions ict Oil
d Gas Inspector prior to the construction of roads, locations and pits for any permitted addition, the well operator or his contractor shall notify the proper district oil and is inspector 24 hours before actual permitted work has composed												
s ins	pector 24 hour	s bei	fore ac	tual per	mitt	ed w	shal ork h	l no as c	orify commer	the prop nced.	per district oi	l and
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:mit	expires		Februa	ry 13, 19	984		1 m 7	000	*	• • • •		er - 1990 - 1 1990a
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Combonities to a company												
Bond:	Agent		Plat:	Casir	ig: /	Fee	C 0			and the second s		1
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