

8-0 Blue Creek

(217)

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IV-35 (Rev 8-81)

RECEIVED State of Mest Nirginia

Bepartment of Mines

OCT 1 8 1982

Gil und Gas Bivision

Date_	October	6, 3	L982		
Opera	tor's				
Well	No. C	- 5			
Farm	C	.J.	Hunt	•	
API N	ю. <u>47</u>				

OIL AND GAS DIVISION WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas / Liquid Injection (If "Gas," Production / Undergrow	n_X / Wasund Stora	te Disposa ge/ Deep	l/ p/ Sha	llow/)
LOCATION: Elevation: 959' Watershed In	dian Creel	c		
District: Elk County Kanaw				
COMPANY GARY ENERGY CORPORATION	_	1		Cement
ADDRESS 112 Indian Lake Dr., Elkview, W.Va.	Casing	Used in	Left	fill up
DESIGNATED AGENT DANIEL L. PAHLEY	Tubing	Drilling	in Well	Cu. ft.
ADDRESS 112 Indian Lake Dr., Elkview, W.Va.	Size			
SURFACE OWNER Fayette Lumber Company	20-16 Cond.			
ADDRESS P.O. Box A Dixie, W.Va. 25059	13-10"			
MINERAL RIGHTS OWNER See Title Opinion	9 5/8			
ADDRESS	8 5/8	548 '	548'	Cement to Surface
OIL AND GAS INSPECTOR FOR THIS WORK Homer	7			
H. Dougherty ADDRESS Looneyville, W.Va.	5 1/2			
PERMIT ISSUED October 3, 1980	4 1/2	2154'	2154	Cement to Surface
DRILLING COMMENCED November 17, 1980	3			
DRILLING COMPLETED November 23, 1980	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLÓGICAL TARGET FORMATION Pocono Weir		Dep	th 2005	feet
Depth of completed well 2167 feet				
Water strata depth: Freshfeet;				
Coal seam depths: 268'-272'; 465'-477'				a area? NO
OPEN FLOW DATA				
Producing formation Weir Sand	Pa	ay zone dep	oth 200)5 feet
Gas: Initial open flow Mcf/d	Oil: D	nitial oper	flow	Bbl/d
Final open flow Mcf/d	F	inal open f	low	Bbl/d
Time of open flow between ini-				
Static rock pressurepsig(surface	ce measur	ement) afte	erho	urs shut in
(If applicable due to multiple completion	n)			
Second producing formation	P	ay zone der	oth	feet
Gas: Initial open flowMcf/d	Oil: I	nitial oper	n flow	Bb1/d
Final open flow Mcf/d				
Time of open flow between ini				
Static rock pressurepsig(surfac	e measure CT 25 198	2		
		(Conti	irue on r	everse side

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

NOTES

This is a new well. Drilled to 2167'. Ran 548' of all new 8 5/8" (Grade H 40 20#/ft.) casing and cemented to surface. Ran 2154' of all new 4 1/2" (J55 12.6) casing and cemnted to surface.

We plan to use this well for CO, Injection.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Shale	0	200	er .
Sand and Shale	200	268	
Coal	268	272	
Sand and Shale	272	465	
Coal	465	477	
Rock, sand with shale	477	485	
Sand Shale	485	554	
Sand and Shale	554	575	
Shale with sand	575	915	
Sand Shale	915	939	•
Salt Sand	939	1485	
Sand Shale Maxon Sand	1485 1575	1575 1630	
Maxon Sand Sand Shale	1630	1666	
Little Lime	1666	1770	
Big Lime	1770	1905	
Shale	1905	1924	
Squaw Sand	1924	1946	
Shale	1946	2005	
Weir Sand	2005	2107	
Shale	2107	2167	
	E BERGE CONSTITUTION OF THE STATE OF THE STA		
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(Attach separate sheets as necessary)

GARY ENERGY CORPORATION	
Well Operator	
By: Kanul I Taulen	
By: Kanul J. Taulu	
Date: 10-15.82	

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coul, encountered in the drilling of a well."

Operator's Well No.	C-5	THE CONTRACT OF THE CONTRACT O
API Well No.	47 - 039 State County	

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION

LIQUID INJECTION OR WASTE DISPOSAL WELL PERMIT APPLICATION

WELL TYPE: Liquid Injection X / Waste Disposa.	1/
LOCATION: Elevation: 959 ft. Watershed	: Indian Creek
	Kanawha Quadrangle: Blue Creek
GEOLOGICAL TARGET FORMATION: Pocono (Weir)	
Virgin reservoir pressure in target formation	150 psig (surface measurement)
Source of information on virgin reservoir pre-	ssure Measurement from adjacent new well
(C. J. Hunt 3-T)	
WELL OPERATOR Gary Energy Corporation	DESIGNATED AGENT Dan Pauley
Address 112 Indian Lake Drive	Address 112 Indian Lake Drive
Elkview, West Virginia 25071	Elkview, West Virginia 25071
ROYALTY OWNER See title opinion	COAL OPERATOR NONE
Address	Address
Acreage 700	COAL OWNER(S) XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
SURFACE CWNER Fayette Lumber Company	Name D. L. Ray and Carol Ann Young
Address P. O. Box A	Address
<u>Dixie, W. Va. 25059</u>	
Acreage 470	Name
OIL & GAS INSPECTOR TO BE NOTIFIED	Address
Name Martin Nichols	
Address P, O. Box 554	COAL LESSEE WITH DECLARATION ON RECORD:
Clendenin, W. Va. 25045	Name NONE
548-6993 The undersigned well operator is entitled purposes at the above location under a deed/	Address
The undersigned well operator is entitled purposes at the above location under a deed/ 19.80, to the undersigned well operator from	Address d to operate for liquid injection or waste disposal lease/ other contract / dated July 30
The undersigned well operator is entitled purposes at the above location under a deed/ 19.80, to the undersigned well operator from	Address d to operate for liquid injection or waste disposal lease/ other contract X / dated July 30 , Permeator Corporation ecorded:; e of the Clerk of the County Commission of Kanawha at page/ Redrill/ Fracture or stimulate X orate new formation/
The undersigned well operator is entitled purposes at the above location under a deed/ 19.80, to the undersigned well operator from	d to operate for liquid injection or waste disposal lease/ other contract / dated July 30 Permeator Corporation econded:] e of the Clerk of the County Commission of Kanawha at page 201 . A permit is requested as follows: deeper / Redrill / Fracture or stimulate X
The undersigned well operator is entitled purposes at the above location under a deed/ 19.80, to the undersigned well operator from	Address d to operate for liquid injection or waste disposal lease / other contract X / dated July 30 Permeator Corporation scorded: e of the Clerk of the County Commission of Kanawha at page 201. A permit is requested as follows: deeper / Redrill / Fracture or stimulate X orate new formation / cify) er on the reverse side hereof.
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The undersigned well operator is entitled purposes at the above location under a deed/ 19.80, to the undersigned well operator from	d to operate for liquid injection or waste disposal lease/ other contractX / datedJuly_30, Permeator Corporation
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BLANKET BOND

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PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON
FORM IV-35 AND/OR FORM IV-37 UPON COMPLETION

RILLING CONT	RACTOR	(IF K	NOMN) _	Cli	int I	Hurt & Ass	ociates, In	IC.	
			A	ddres	s <u>F</u>	P. O. Box (383		
					E	Elkview, W	. Va. 25071		
EOLOGICAL TA	RGET F	ORMATI	on. I	Pocor	10 ((Weir)		i e e e e e e e e e e e e e e e e e e e	
Estimate							feet	Rotary X /	able tools/
Annmaria	nate wa	ter st	rata de	oths:	Fre	esh, N/A f		740 feet.	
Approxim	nate co	al sea	m depth	ıs:	555 -	.559 Is	coal being mi	ined in the areas	Yes / No X /
ASING AND TU	100				641 -	644			
ASING OR		SPECI	FICATIO		Ĭ	FOOTAGE	INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
JBING TYPE	Size	Grade	Weight per ft	New	Used	For drilling	Left in well	l (Cubic feet)	
onductor	13	H40		X.		30'	0		Kinds
resh water			· · · · · · · · · · · · · · · · · · ·						
oal							674		Sizes
ntermediate	8 5/8	3 H40	20#	X			400	To Surface	
roduction	4 월	K55	105#	Х			2000'	To Surface	Depths set
ubing				<u> </u>		-			
iners				<u> </u>	2 200 000				Perforations:
									Top Bottom
	 			-					
	<u> </u>	<u> </u>	L	J	<u> </u>	1			
to the reclamation required by Code § 22-4-12b and Regulation 23, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well. A separate Form IV-3 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-3 filed in connection therewith. The second of the permit required from the Department of Mines, the operator of a disposal well must obtain a separate permit from the Department of Natural Resources under the provisions of Code § 20-5A-5(b)(?). NOTE: PThis well will be drilled and cored with a low water loss mud system. All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 6-7-81.									
	1-2	H	ing	ces	BC(1)				
Deputy-Director-Oil & Gas Jivision									
The following waiver must be completed by the coal operator and by any coal owner or coal lesses who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within thirty (30) days of receipt thereof: WAIVER The undersigned coal operator / owner / lessee / of the coal under this wall location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.									
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Date:			, l	ġ			and the second s		
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