



H. T. HALL -6 STMARYS

OVER---->

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

Well Operator's Report of Well Work

	ne.	rr oberacor s w	seborr or a	WEIT MOLK	Karaja Salaharan	
Farm name:	TICE, BERN	ARD	Operator	Well No.: 7	FICE 3	
LOCATION:	Salah Sa	618.80 Quad				
٠.	District: Latitude: Longitude	WASHINGTON 6020 Feet Sou 5120 Feet Wes	Courth of 39 st of 81	ounty: PLEA: Deg. 25Min Deg. 10 Min	SANTS . 0 Sec. n. 0 Sec	•
P. ST. Agent: BEF Inspector: Permit Issu Well work (Well work (Verbal Plug Permission	NARD TICE SAM HERSMAN led: Commenced: Completed:	26170-0000 01/27/97 2/20/97 3/5/97	&	Used in Drilling		Cement Fill Up Cu. Ft.
Total Depth	(feet) depths (ft		8 5/8"	266'	266'	150 SKS.
Salt water	depths (ft)		4_1/2"		3556'	426 SKS.
Is coal bei	ng mined in (ft):	area (Y/N)?				
OPEN FLOW I	DATA			EXIST	ING	
Second Gas:]	: IOCK PIESS	on Pocono flow 0 MCI low 30 MCI flow between : ure 610 ps: formation MCI	rg (surrac	e pressure)	depth (ft flow	Hours
7	lime of open rock Press	flow between :	initial an	d final tes e pressure)	ts	Hours Hours
LOG WHICH INCLUDING O	FRACTURING IS A SYSTE COAL ENCOUNT IVED	FORM PUT THE OR STIMULATING MATIC DETAILED ERED BY THE WEI	FOLLOWIN G, PHYSIC GEOLOGIC LLBORE.	G: 1). DET AL CHANGE, AL RECORD	AILS OF P	THE WELL
Environmenta	rotection	By: <u></u>	J. Out	zune	Consultant	

Date:

Permitting
Office of Oil & Gas

MAR 19 1997

Temprary Bridge Plug: 4 1/2" Solid Bridge Plug set at 1610'

Squeeze Cement: 100 SKS. Reg. neat Cement, top of Cmt. 1148'

Perforated Interval: (1475'-1483') 12 holes, 0.41"

Fracturing Treatment:

500 Gals. 7 1/2% HCL. acid, 325 BBls. gelled water,

breakdown press: 2100#, avg. rate: 12.2 BPM, avg.

press.: 1960#, ISIP: 1635.

See original IV-35 State Report for additional formation information and well data.

RECEIVED
WW Division of
Environmental Protection

MAR 19 1997

Permitting Office of Oil & Gas

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			5 .		ST	ATE OF WEST V	IRGINIA	. Dates	October 9 19
FORM IV	' - 35		שני	.PAH'I'	rent (or mines, oil	AND GAS DIVIS	uperaro	
.*.					WEI	LL OPERATOR'S	REPORT		· Tice No. 3
[08-78]		DRIL	LING, Fi	1ACTIII	RING	OP <u>AUD/OR STIMUL</u>	ATING, OR FHYS	API Wel Lial Change	No. <u>47 - 073 - 091</u> State County Per
									0-918
WELL TYPE: (011 <u>×</u>	_/ 0	as_X	./ [iquid	Injection	/ Waste D	isposal/	0 // 0
•	(If "Ga	s", Pr	oductio	n_ <u>X</u>		Underground	storage/	Deeb/	Shallow/\
LOCATION:	Elevati	lon:	618	8		latershed:	iddle Island	Creek	
	Distric	: : <u> </u>	<i>l</i> ashing	ton	(County:\ <u>Plea</u>	sants Q	uadrangle: Ra	ven Rock
WELL OPERATOR	R L	& B 0i	1 Comp	any.	Inc.		DESIGNATED AG	sum Loren F	Racley
Address									
			rs, WV						shington Street
	Act - Company of the		,	. Martine de la com e				St. Ma	rys. WV 26170
PERMITTED WOR	ik: Dr	111 <u>×</u>	/· co	nvert	-	/ Drill deep	per/ Red	rill/ Fr	neture en stirulate
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(IF APPLICAB									
CONTINU REWORKI	OUS PR	OGRESS:	ION PRO	4 DRI	LLING	OR	•		
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GEOLOGICAL T				CONTRACTOR OF THE PARTY OF THE		5. E. J. S			nia 26320
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Depth o							tary/ C	able Tools	
						et; salt.			
							eing mined in		
Mork ma	s commo	enced .	AUGU	18E)	7	, 1980	and completed	August 12	, 19_80_
CASING AND T	UBING	PROGRAJ	M	:		×	•		
			-	OMS		POOTAGE	INTERVALS	CEMENT FILL-	
CASING OR TUBING TYPE	6120	0000	Weight	1	1	N .	Left in well	AN A . ALA	報 .
	-				O B C I				
Conductor			20_	<u> </u>		266	266	150 SK	Kinds
Fresh water									
Coal	.				-				Sizes
Intermediate					-	•			
Production					-				Depths set
Tubing									
Liners Cocine									Perforations: 26
Casing			9.5	X		3556	3556	426 SK	3262-p3494 Barrie
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OPEN FLOW DAT	r a		F.			•	•		
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POHM IV-35 (Reverse)

[08-78]

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

MELL LOG

FORMATION	Color	llard or Soft	Top Peet	Bottom Feet	Including indication of all f
Clay Red Rock and Sand			0.	20	and sale water, coal, oil and
Reu Rock		arian ariang	20	659	ing the second of the second o
Shale			659 704	704	
Sandy Shale			800	800	
Shale			830	830	
Sandy Shale			860	860	
Sand			885	885 900	
Shale			900	925	
Sand			925	250	
Shale and Sand			950	975	
Shale			975	1000	••
Sand			1000	1025	
Shale and Sand		1	1025	1050	
Shale			1050	1075	
Shale and Sand			1075	1100	
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Shale			1159	1179	Stage of the second
Greenbrier			1179	1329	
Shale and Sand			1329	1349	
Big Injun			1349	1415	
Shale and Sand			1415	1420	
Squaw			1420	1549	
Shale and Sand			1549	1579	
Gas and Sand	* /		1579	1732	
Shale			1732	1742	en en fan de fan de De fan de fa
Berea		· ·	1742	1802	
Shale and Sand			1802	1810	
Gantz			1810	1913	
Shale and Sand			1913	1925	it mengang kelambili di sebagai mengang panggan bahan di sebagai sebagai sebagai sebagai sebagai sebagai sebag Sebagai sebagai sebaga
Thirty Foot		No.	1925	2017	
Shale and Sand Gordon			2017	2037	
Shale and Sand		Market Company	2037	2200	
Fourth Sand			2200	2210	
Shale and Sand				2295	
and saud				2308	
. 9	ı		2308	2357	in particular and the Maria Maria and Maria and Article and Articl

CONTINUATION

Well Operator

By Found Baylon

Its President

NOTE: Regulation 2.03(1) provides as follows:

"The term 'log! or 'well log! shall mean a systematic, detailed gaologial resord of all formations, including coal, ensumtered in the dailling."

Prum' (V-35 (Reverse)

[68-78]

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

Twenty six perforations between 3269 and 3492. Treated with Nitrogen Frac, 820,000 SCF. Breakdown 2800#. Treated at 2400#.

AELL LOG

FORMATION	Color	llard or	Top Feet	Bottom . Feet	Including indication of all fresh and salt water, coal, oil and has
Fifth Sand Shale Bayard Shale Warren Second Shale Benson Brown Shale	·		2357 2364 2500 2510 2558 2562 2985 3010	2364 2500 2510 2558 2562 2985 3010 3 5/94/	Soll Bater, COAI, OII and Las
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	DARRACHUM PARAMONDAL.		olemina ingradorajnjana dose		

(Attach separate sheets to complete as necessiry)

L & B Oil Company, Inc.

Ву .

President

NOTE: Regulation 2.02(i) provides as follows:

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

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DEPARTMENT OF MINES



Oil and Gas Division

OIL & GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATIONS MINES

TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	DATE August 4, 1980
Surface Owner Bernard O. Tice	Company L & B Oil Co. Inc.
Address 110 Washington St., St. Marys	
Mineral Owner Bernard O. Tice	
Address 110 Washington St., St. Marys	
Coal Owner	Well No. Tice #3 Elevation 618.8
	DistrictWashington CountyPleasants
	Quadrangle Raven Rock-Ohio-WVa
Address	
THIS PERMIT MUST BE POSTED AT THE WELL SITE	
of the W. Va. Code, the location is hereby approved	INSPECTOR
for drilling . This permit shall expire if	TO BE NOTIFIED Philip Tracy
4-5-81	ADDRESS Dodd St., Middlebourne
Deputy Director - Oil & Gas Division	PHONE 758-4573
GENTLEMEN:	
The undersigned well operator is entitled to drill upon the	ne above named farm or tract of land for oil and gas, having fee
title thereto, (or as the case may be) under grant or lease Tice made to L & B Oil C., I	nc. and recorded on the day of
19, in County, Book	
	REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLE	
	or licensed land surveyor and all coal owners and/or operators
The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or	notified that any objection they wish to make, or are required filed with the Department of Mines within ten (10) days.
Copies of this notice and the enclosed plat were mailed bor coal owners at their above shown respective addresssame day with the mailing or delivery of this copy to the D	y registered mail, or delivered to the above named coal operators day before, or on the epartment of Mines at Charleston, West Virginia.
	Very truly yours
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name Loren Baglevar resident
WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY Addr	RD #1 Middlehourne WV 26149
P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505 Of Well Open	erator City or Town
AC-304 - 292-6331	Giry G. 1 Geen
	State
	otato

*SECTION 3 . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is appropried. and the well operator authorized to proceed. Permit number

47-073-0918

Page 1 of	
Form WW2-A	
(6/94)	
File Copy	

AZ	CEIL	
Erivirant		-
DEC	1 0 1996	1

Date: 11/4/96
Operator's well number

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3)	AP	IV	Vell	No:	47	7 _	73
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Office of Old National State County

State County

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4	Surface Oumanial to be a	convod: E) (a) Coal Operator
ed)	Surface Owner(s) to be s	served: 5) (a) Coal Operator: Name NAME
	HIN famy Myse	Name N/A Address
_	HA. Lawy Ny Be Rt. 39 Lt. Aury NV. 26170	(b) Coal Owner(s) with Declaration Name NAME Address
	(c) Name Address	NameAddress
6	Inspector <u>Sam Harsman</u> Address <u>Rto. 1, Box</u> Telephone (304)-	(c) Coal Lessee with Declaration Name NAME Address
	TO THE PEI	RSON(S) NAMED ABOVE TAKE NOTICE THAT:
eterrine.		eases or other continuing contract or contracts by which I hold the
	P 403 014 201	uired by Chapter 22, Article 6, Section 8(d) of the Code of Wes
	US Postal Service Receipt for Certified Mail No Insurance Coverage Provided. Do not use for International Mail (See reverse)	or Chapter 22 of the West Virginia Code I have served copies of the plat, and accompanying documents pages 1 through or
	Street & Number 39	lavit attached) rked postal receipt attached) Publication attached)
	Post Office, State, & ZIP Code ST. MART'S WV 26170 Postage \$ 3 2 Certified Fee	Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and at this application.
	Special Delivery Fee Restricted Delivery Fee	withat I have personally examined and am familiar with the ation form and all attachments, and that based on my inquiry of nsible for obtaining the information, I believe that the information
1995	Return Receipt Showing to Whom & Date Delivered	phificant penalties for submitting false information, including the
, April	Return Receipt Shorking to Where, Date, & Addressee's Address	ell Operator Ecological Energy, Inc. David E. Loxtercamo
PS Form 3800 ,	TOTAL Postrage & Fees Postmark or Dates	dress Box 983 Morgantown, WV 26507 Jephone
		s_/g day of
NA.	v commission evolute	Notary Public
141	y commission expires	Dei Y LW G