

DEEP WELL

6-6 MIDWAY EXTRA

L 1980 SEP

278

[:=7:]

24981 202707 2727 2 2000 1

June 5

Veril 11- J. L. McLean A-49 47 - 079 -995

WELL TYPE:	01:	_/ %	BALAXIAN DT. D	E WIN	Injection	Waste Di:	3000312	
•							creek	
							James R. C	
				Virginia			P. O. Box 628	
÷	UldI.	Lescon	, west v	viigiiiia	23322	_	Charleston, We	est Virginia 25322
PERMITTED &	57	ug off	old for	mation	/ Drill deepe / Perforat well (specify)	e new formati	on/	ture or stimulate _
PERMIT ISS:	JED ON _		August	4 . :9	80	OIL & GAS INS	PECTOR FOR THIS	WORK:
						Name Mart	in Nichols	
CONTI:	RE SUCUS	DORESS: ERBAL	ION FROM PERMISSI	MOLE ON DRILLING ON OUTAINS	OR ED	Address	P. O. Box 554	
			. 19				Clendenin, We	est Virginia 2504
					any		Depth 495()-4983 See :
							able Tools	
					et; salt,			gs.
							eba amana No	
		-					the area? No	
MOLK	was comm	enced	Sep	cember :	<u> </u>	and completed	September	<u>- 19 , 1980 </u>
CASING AND	TUBING	PROGRA	.M					
CASTIC OR	=	######################################	IFICATION WEIGHT	ons	FOOTAGE :	INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
Cinquetor	MI	1	Der it	145 A 025.	50 °	50'	20 sks	
Zzexx kex:	T II		36#		767'	767'	280 sks	
Ccal	7"		23#		2741'	2741'	435 sks	
77.500022			237		1 2 2			
Production		 	9.5#		5082'	5082'	150 ckc	Depths set
	1 2-1/	-	9.5#		3082	3082	LJU SKS	36.
		-						Perforations:
	1							Tep Bette
	<u>l</u>		1					
SPEN FLOW	DATA							
Produ	cing for	ma:i:n	Or:	iskany			fay zone depti	4965-4976 fe
	Gas: Ir	11111	open fle	ow, 150	Mcf/d	Oil: Initia	l open flow,	261/3
				Contract of the Contract of th	A CONTRACTOR OF THE PROPERTY O		open flow,	
				77900	Control of the Contro		sts, 4 hour:	
	Sintle		•				after hou	
				iple compl			Constraint from Section Sectio	
_				•			Pav zone denti	t
2 E E E !			الافرندسية		Mc f/A	Dil: Tritis	l open flow,	Bb1/2
							open flow,	
	en ' 4						sts, nour	
	_		•		•			
	2,5170	FIL€ Çî	rrasure,		Park (and rate	vision and the section of	efter no	JUN 29 1981

[9:-60-]

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

5/16/81 - Broke down Oriskany @ 300#. Treated with 140,000 scf of Nitrogen (200 cf/bbl.) and 15,000# of 80/100, maximum concentration 2-1/2#/gal. and 45,000# of 20/40 maximum concentration 3-1/2#/gal. Total volume 775 bbls. ISIP 600#; 5 min., 400#.

RELL LOG

FORMATION	Color	llard or Scft	Top Feet	Bottom Peet	Remarks Including indication of all francisalt water, coal, ell-ind
Shale and Sand				200	
Sand			0 382	382 404	
Shale			362 404	630	
Sand		,	630	654	
Shale			654	1060	·
Sand			1060	1090	
Shale		•	1090	1149	
Sand			1149	1188	•
Shale			1188	1323	
Sand			1323	1417	
Shale			1417	1787	
Sand			1787	1844	
Shale			1844	1928	
Big Lime			1928	2138 "	
Shale			2138	2183	
Big Injun .			2183	2285	
Shale			2285	2638	
Sumbury Shale	-		2638	2667	
Berea			2667	2684	
Shale			2684	4878	
Onondaga Limestone		,	4878	4950	150 Mcf - 4972'
Oriskany			4950	4983	Slight show 5058'
Helderberg			4983	TD	
			DTD 5080		
			LTD 5092	1	·
					·
•					

(Attach separate sheets to complete as necessary: ""

APPALACHIAN EXPLORATION & DEVELOPMENT, Well Operator

Ву

Drilling and Production

<u>.</u>.

Resulacion L.Clili provides as

The term 'log' or 'well log'

Shall mean a systematic, detailed

genlogial record of all formations,

including coal, encountered in the

doi:1000 of a well to







Oil and Gas Division

OIL & GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATION OF MINES

TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	DATE July 7, 1980 Appalachian Exploration &
Surface Owner Clarence Wine	Company Development, Inc.
Rt.1,Box 28,Robertsburg, WV 25172	Address Box 628, Charleston, WV 25322
Mineral Owner (See attached list)	Farm McLean Acres 81.75
11 II . II	Location (waters) Eighteen Mile Creek
Union Carbide Corporation Attn: Mr William Barker	Well No A-49 Elevation 960'
Rt.2, Box 224-B, Clendenin, WV 2504	5 District Union County Putnam
Union Carbide Corporation	Quadrangle Elmwood
Same as shown previously	
HIS PERMIT MUST BE POSTED AT THE WELL SITE	
Il provisions being in accordance with Chapter 22,	
the W. Va. Code, the location is hereby approved	INSPECTOR Mantin Nichele
or drilling . This permit shall expire if	TO BE NOTIFIEDMartin Nichols
perations have not commenced by 4-19-81	ADDRESS P. O. Box 554, Clendenin, WV 25045
Deputy Director - Oil & Gas Division	PHONE 548-6993
GENTLEMEN;	
The undersigned well operator is entitled to drill upo	on the above named farm or tract of land for oil and gas, having fee
title thereto, (or as the case may be) under grant or le Hoge, et al Godfrey L. Cabot	ease dated April 1936 by Helen M. Inc. and recorded on the 1st day of June
19 36 in Putnam County, Book 31	
X NEW WELLDRILL DEEPER	REDRILLFRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRI	LLED BEFORE JUNE 5, 1969.
have been notified as of the above date. The above named coal owners and/or operator are her to make by Section 3 of the Code, must be received by,	reby notified that any objection they wish to make, or are required or filed with the Department of Mines within ten (10) days.
Copies of this notice and the enclosed plat were maile or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the	ed by registered mail, or delivered to the above named coal operators day
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	Very truly yours Appaiachian Exploration & Development, Inc. (Sign Name) Well Operator
	Box 628
WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY	ddress Street
D A BOY 870	of Charleston
MORGANTOWN, WEST VIRGINIA 26505	Operator
	City or Town
AC-304 - 292-6331	West Virginia 25322
AC-304 - 292-6331	
AC-304 - 292-6331	West Virginia 25322
*SECTION 3 If no objections are filed or found by notice and plat by the department of mines, to said proposed local	West Virginia 25322 State the Department of mines, within said period of ten days from the receipt of ation, the department shall forthwith issue to the well operator a permit reciting to all operators or found thereto by the department and that the same is approved.
*SECTION 3 If no objections are filed or found by notice and plat by the department of mines, to said proposed locathe filing of such plat, that no objections have been made by the cand the well operator authorized to proceed.	West Virginia 25322 State the Department of mines, within said period of ten days from the receipt of ation, the department shall forthwith issue to the well operator a permit reciting soal operators or found thereto by the department and that the same is approved 47-079-0995 PERMIT NUMBER set forth in requirements."
*SECTION 3 If no objections are filed or found by notice and plat by the department of mines, to said proposed locathe filing of such plat, that no objections have been made by the cand the well operator authorized to proceed. BLANKET BUND "I have read and understand the reclamation requirements as	West Virginia 25322 State the Department of mines, within said period of ten days from the receipt of ation, the department shall forthwith issue to the well operator a permit reciting toal operators or found thereto by the department and that the same is approved 47-079-0995 PERMIT NUMBER set forth in requirements.

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO	DRILL	DEEPEN F	RACTURE-STIMULATE		
DRIVEN COMPACTOR. (II	V \	RESPONSIBLE AGENT:			
NAME Unknown	Known	NAME R. P. Parsons			
ADDRESS			ADDRESSBox 628, Charleston, WV 25322		
TELEPHONE			TELEPHONE 344-8355		
ESTIMATED DEPTH OF COMPL	LETED WELL: 4905	ROTARY X	CABLE TOOLS		
PROPOSED GEOLOGICAL FORM	MATION: Oriskany	-			
TYPE OF WELL: OIL_	GAS X	COMBSTORAGI	E DISPOSAL		
	RECYC	LING WATER FLO	OODOTHER		
TENTATIVE CASING PROGRAM	1 :		•		
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.		
20 - 16					
13 - 10	100"	100'			
9 - 5/8	730°	730	circ.		
8 - 5/8	2770*	2770*	circ.		
7 5 ½	2110	2770			
4 ½	49051	4905°	· ·		
3			Perf. Top		
2			Perf. Bottom		
Liners			Perf. Top Perf. Bottom		
OF PLAT. TO DRILL DEEPER OR REDRIL SUBMIT FIVE (5) COPIES (WELLS DRILLED PRIOR T MUST ALSO BE SUBMITTE TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT	L: OF OG - 1, SHOWING ORIGIO 1929, A PERMANENT CD. RIGINALLY DRILLED BEF	GINAL PERMIT NUMBER AN COPY OF THE PLAT AND TO ORE JUNE 5, 1929, FIVE (5) OF ECORD.	DND AND PERMANENT COPY D PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD COPIES OG - 1, PERFORMANCE 9, FIVE COPIES OG - 1, SHOW-		
ING ORIGINAL PERMIT NU	MBER, AND PERFORMANC	E BOND.	Inspector to be notified twenty-		
four (24) hours in advance.	innery (50) days Of	completion for bond resease.	-		
			The second secon		
		arri •			
The following waiver must be hereof.	pe completed by the coal of	perator if the permit is to be i	ssued within ten days of receipt		
WAIVER: I the undersigned, Ager this lease have examine		Coal Company, Owner			
We the	Coal Company	have no objections to said we	all being drilled at this location,		
			, Chapter 22 of the West Virginia		
			- Marie Ma		
•		Fo	r Coal Company		

Orficial Title