-0 LATITUDE 39 (15) 39 -1 -7) Ala 1014 <u>и 85°00 Е</u> 39 16 25 1.275 90 E1 20 S white Oak 565°E HICKORS ~ © C. Aliller M.00, 29 N Surface is owned by: William Lamm Greenwood. West Va. Minimum Error of Closure | 1 in 200 Source of Elevation USGS B.M. Wilhelm Run Road Imi. North : 904 I, the undersigned, hereby certify that this map is correct to the best of my know-ledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia. Fracture..... New Location.... Drill Deeper...... Signed: Map No. Squares: Abandozment... STATE OF WEST VIRGINIA Company INDUSTRIAL GAS ASSOCIATES DEPARTMENT OF MINES Address 20.Box 1610. Greenwich, Conn. OIL AND GAS DIVISION Farm William Lamm CHARLESTON \_\_\_\_Acres 222 Lease No.. LOCATION MAP Well (Farm) No. Que Serial No. FILE NO DODD-1886 Elevation (Spirit Level) \_\_945 Quadrangle West Union 7/2, 15 County Daddeidae + Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by Engineer\_ Engineer's Registration No. 2222 border lines as shown. \_Drawing No. - Denotes one inch spaces on border line of Gsh Date Januaru 6, 1978 Scale /": 500' original tracing. 47-017 FEB 3 TRASCO 500 5-77 MC6333

2500'B-O CENTRAL STATION 91



# STATE OF WEST VIRGINIA DEPARTMENT OF MINES

## Oil and Gas Division

#### WELL RECORD

DECEIVED SEP 8 1578

#### OIL & GAS CIVISION DEPT. OF MINES

Permit No.	DoD -1			RECORE		Cable Recycling_	Comb.  d Storage
Address <u>BO</u> Farm <u>Will</u>	<u> X 1610</u> liam La	rial Gas As Greenwich, amm	Conn,	Casing and Tubing		Left in Well	(Kind) Cement fill up Cu. ft. (Sks.)
District Ce The surface	entral of tract is	CountyI owned in fee by_	_ Elev <u>946</u>	The state of the s			
Address R		mm reenwood b	7 775	13-10" 9 5/8 8 5/8	247	247	
and the same of th	_ Address_	d by <u>William</u> Rt # 1 Gree 3-1-78	Lamm nwoo W. V			45 42	80 sks
Drilling Comp Initial open f Final product	pleted low ion <mark>]X_, 1</mark> :	5-14-78 cu. ft. 2,000 ft. per day hrs. before tes	4	4 1/2 3 2 Liners Used		2433	140 sks
Weir Injur	# 1 24 # 2 26 2 - 370 untered at. Non		er- 7,000 er - 7,000 f 17,000 #	# Sand - 70 # Sand - 7 sand 28,00 tSalt V	0,000 SCF 0 SCF N2 5	N2 500 500 gal	galHCL HCL
	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or V		emarks
Soil Shale Sand			0 17 195 255 357 415 560 623 775 815 1061 1095 1206 1230 1380 1450 1497 1608 1645 1645 1683 1720	17 195 255 357 415 560 623 775 815 1091 1095 1206 1280 1450 1497 1608 1645 1645 1683 1720 1775	2	507 030 777 BA	

(over)

Sand Shale 1810 1820 1833 Shale 1820 1835 Shale 1825 1875 1835 Shale 1895 1925 Lime (Right) 1895 1925 Lime (Right) 1970 2030 Shale 2036 Shale 2036 2262 Shale 2036 2262 Shale 2384 2453 Shale 2384 2453 Shale 2384 2453 Shale 2456 2507 TOTAL DEPTH 2507	Formation Color Hard or Soft	Top Feet >	Bottom Feet	Oil, Cas or Water * Remai	The second secon
	Shale Sand Shale Sand Shale Shale Lime (Little) Lime (Big) Sand-Injun Shale Sand-Weir Shale Sand Berea Shale	1810 1820 1835 1875 1895 1925 1970 2030 2096 2262 2384 -2453 2456 2507	1820 1835 1875 1895 1925 1970 2030 2096 2262 2384 2453 2456		
s in the second					

APPROVED Steer Justing Owner

By Ogens



### STATE OF WEST VIRGINIA DEPARTMENT OF MINES



### Oil and Gas Division

### OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	DATE January 18, 1978
Surface Owner William E. Lamm	
Address Rt. #1 Greenwood, W. Va.	Address Box 1610 Greenwich, Conn.
Mineral Owner William E. Lamm	Com. E. Lamm Acres 37.5
Address Rt. # 1 Greenwood, W. Va.	Location (waters)
Coal Owner N/A	
Address N/A	
N7 / N	Quadrangle West Union 7 1/2
Addres N/A	Quadrangleeee ourient, 1/2
THIS PERMIT MUST BE POSTED AT THE WELL SITE All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for Unilling. This permit shall expire if	TO BE NOTIFIED Paul Garrett
operations have not commenced by 5-24-78.	ADDRESS 321 Beech St. Clarksburg, W. Va. PHONE 622-3871
GENTLEMEN:	
Lamm made to Kanawha Drilling  1976, in Doddridge County, Book 102	dated Dec. 8 1976 by Wm. & Erma  Co. and recorded on the 21 day of Dec.  Page 141  REDRILL FRACTURE OR STIMULATE
CIL AND GAS WELL ORIGINALLY DRILLE	
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 by or coal owners at their above shown respective addresssame day with the mailing or delivery of this copy to the De	registered mail, or delivered to the above named coal operators  day
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	Very truly yours, Industrial Gas Associates (Sign Name) Well Operator
WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY Addre	Box 1610 Street
P. O. BOX 879 of	
MONGANIOWN, WEST VINGINIA 2000	City or Town
AC-304 - 292-6331	
	Conn.

\*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 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 approved and the well operator authorized to proceed.

Dodd-1886 PERMIT NUMBER 47-017

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

PROPOSED WORK ORDER TO	XX DRILL	DEEPEN FF	ACTIBE STIMIT ATE
DRILLING CONTRACTOR: (If	Known)	RESPONSIBLE AGENT	
NAME Stalnaker Dril			
ADDRESS Letter Gap,			Parkersburg, W. Va
TELEPHONE			7419
ESTIMATED DEPTH OF COMPL			CABLE TOOLS
PROPOSED GEOLOGICAL FORM			•
TYPE OF WELL: OIL_			
	RECYCL	ING WATER FLOO	ODOTHER
CANAL COLUMN CARRAGE DE CARRAGE	_		
TENTATIVE CASING PROGRAM	<b>l:</b>		
CASING AND TUBING	USED FOR	LEFT IN	CEMENT FILL UP
SIZE	DRILLING	WELL.	OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	230	230	To Surface
7			
5 1/2			-
4 1/2		2500	125 Sacks
3			Perf. Top
Liners			Perf. Bottom
		SS sections of the egos	Perf. Bough
APPROXIMATE FRESH WATER	DEPTHS 150 FEET	SALT WATER	्रा स्टब्स्क
APPROXIMATE FRESH WATER APPROXIMATE COAL DEPTHS _		va i	perengencia del even <mark>ancercam</mark> e
IS COAL BEING MINED IN THE	ADEAS MA	)	*
TO COLLE DELING MINED IN THE	AREA! NO		
TO DRILL:			mil A IO - wisayu vacqau
SUBMIT FIVE (5) COPIES (OF PLAT.	OF OG - 1, \$100.00 PERM	IT FEE, PERFORMANCE BO	ND AND PERMANENT COPY
TO DRILL DEEPER OR REDRILL	•		
SUBMIT FIVE (5) COPIES O	F OG - 1, SHOWING ORIG O 1929, A PERMANENT O	INAL PERMIT NUMBER AND OPY OF THE PLAT AND TH	PERFORMANCE BOND. ON IE ORIGINAL WELL RECORD
TO FRACTURE - STIMULATE:	•		
OIL AND/OR GAS WELL OR	IGINALLY DRILLED BEFO	RE JUNE 5, 1929, FIVE (5) CO	OPIES OG - 1. PERFORMANCE
BOND, PERMANENT PLAT	AND ORIGINAL WELL RE	CORD.	
OIL AND/OR GAS WELL OR ING ORIGINAL PERMIT NUM	IGINALLY DRILLED ON A IBER, AND PERFORMANCE	ND/OR AFTER JUNE 5, 1929, BOND.	FIVE COPIES OG - 1, SHOW-
Required forms must be filed	within ninety (90) days of	completion for bond release. I	nspector to be notified twenty-
four (24) hours in advance.			The second of th
			and the second s
The following waiver must be thereof.	e completed by the coal op	erator if the permit is to be iss	ued within ten days of receipt
WAIVER: I the undersigned, Agen	t for	Coal Company, Owner o	or Operator of the coal under
this lease have examine	d and place on our mine m	aps this proposed well location	n.
We the	Coal Company	have no objections to said well	being drilled at this location.
providing operator has ec Code.	omplied with all rules and reg	ulations in Articles 4, 5, and 7,	Chapter 22 of the West Virginia
	44		
		1700	Coal Company
		ror	Соат Соптрапу
			Official Title