

	$J_{i,j}$		pRofession in the		
1 Comment	6 OFF	ATE OF WEST VI	RGINIA	Diet. Ange	March 2 79 A. Gray A-791
ObverMAR 1 3 1979	DEPARTMENT	OF MINES, OIL	AND GAS DIVI:	il ill jerajori	L. Gray
(opaeMWK I 3 18/8	WE	LL OPERATOR'S	REPORT :	Sell No.	A-791
[08-78] OIL & GAS DIVISION		OF		ADE Wel	017 - 231
DEPT. OF MINISTER					
ELL TYPE: Oil / Gas X		d Injection	/ Washer!	Murcanl 1	•
(If "Gas", Product					
OCATION: Elevation: 1027					
					Holbrook (15')
WELL OPERATOR Allegheny La					
Address <u>Box 1740</u>			A idreas	Box 1740)
<u>Clarksburg</u> ,	WV 26301			Clarksbu	irg, WV 26301
DEDMINATE MODE. Politica / /	Convent	/ Dm331 d.s.			
PERMITTED WORK: Drill x / (cture or stimulate
		/ Perfora			
og galanda oktor Other physica.	l change in	well (specify)		agine specialism, impositive ingression of the contract of the
PERMIT ISSUED ON <u>November</u>	14, 19	78_	OIL & GAS IN	DEETTOR FOR THI.	: WORK:
(IF APPLICABLE: PLUGGING OF D			Harro Pau	l Garrett	
CONTINUOUS PROGRESSION OF REWORKING, VERBAL PERMIS			Addreso	321 Beech	Street
, 19					e. WV 26301
JEOLOGICAL TARGET FORMATION:	Weir S	and		_	1081 Feet
Depth of completed well,	2415	feet Rot	ary x /		- commendation of control and definition and relations and control of
Water strata depth: Fres					
Coal seam depths:	•	_		6 l. a	
·					
Work was commenced <u>Jar</u>	uary 31		and complete	d <u>rebru</u>	ary 5. (9
CASING AND TUBING PROGRAM					
CASING OR SPECIFICAT	TIONS	FOOTAGE	INTERVALS	CEMENT FILL-"	l PACKERS
TUBING TYPE Weigh Size Grade per f	nt	See .	3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Conductor					
fresh water					Kinds
Stall with					a -
Irtermediate 8-5/8" 20#		2521	252.		23.568
Projuction 4½" ERW 10.5		3511	351!	to surface	
	# X	23661	23661	to 1666'	<u> </u>
Publing					
iners					Teach the second second
		i i			: Bettom
					The state of the s
					*
OPEN FLOW DATA					
	F. 9				2222 222
Producing formation W					
Gas: Initial open f					
				open flow.	
				oto,bour	
Statle rock pressure			meadurement)	after 72 how	ing ohut in
Ilf applicable fue to mul	tiple ampl	etion]			
Second producing formatio	n			Pay zene deptr	(ees
las: Initial seen f	low,	20.4773	Mil: Initia	l smon flaw.	<u> </u>
Final (per flo					
The co	pen flow he	tween initial	and final to.	مورودگرو معرودگرو	APR 1 0 1979
				and the second s	

FORM IV-35 (Reverse) [08-78]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL HANGE, BTO.

Fractured by Dowell - February 13, 1979

Perforations: 2192-22021 - 6 shots

2214-2224° - 5 2242-2246° - 5 2282-2286° - 4

. 88 ęę

(Perforation Log was 10' off depth)

WELL LOG

		-	r gran commercial regularization of a second and a second and a second		
FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all frest and sait water, coal, cil and ac
Red Rock Shale & Red Rock Salt Sand Shale & Red Rock 2nd Salt Sand Shale Sand Sand Sand & Shale Big Lime			0 10 856 860 978 988 1115 1130	10 856 860 978 988 1115 1130	Water @ 65'
Injun Sand Sand & Shale Weir Sand Sand & Shale	t	ctal dept	1958 2024 2202 2308	1958 2024 2202 2308 2415 2415(1	Oriller)

(Attach separate sheets - complete as newsare,

Allegheny Land & Mineral Company

By Claron Dawson

Its Superintendent

Regulation 2.01/61 provides to follows: "The team () of an implication shall mean a approximation, detailed geological near the fall of practions, including a sit, and untered in the drilling of a well." Under this lease or grant dated the 1st day of August, 1907, by D. W. Gray, etux unto Hope Natural Gas Company, subsequently Consolidated Gas Supply Corporation.

This lease was recorded on the 26th day of January, 1902 in Lease Book 30, Page 148 in the Office of the County Clerk of Doddridge County, West Virginia.

Allegheny Land and Mineral Company is vested with the drilling rights of this lease by virtue of an assignment dated the 15th day of November, 1957 and is of record in the office of the County Clerk of Doddridge County in Book 60, Page 84.



DEPARTMENT OF MINES Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	Dem November 1/ 1070
Richard Crofford	DATE November 14, 1978 ALLEGHENY LAND AND MINERAL CO.
Surface Owner Route 1, Box 03 Address West Union, WV 26456	company P. O. DRAWER 1740
Mineral Owner Hayward Gray	Address Clarksburg, West Virginia 26301
Address Ellenboro, WV 26346	Farm Lloyd Gray Acres 318.23
	Location (waters) Sugar Run
Coal Owner Hayward Gray	Well No. A-791 Elevation 1027
Address Ellenboro, WV 26346	District Southwest County Doddridge
Coal Operator none	Quadrangle Holbrook (15')
Address	
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	SPECTOR
for <u>drilling</u> . This permit shall expire if	BE NOTIFIED Paul Garrett
	ORESS 321 Beech Street Clarksburg, WV 26301
	ZEDU CIETRADUIG, WV ZOJOI
John house PHO	DNE 622-3871
Deputy Director - Oil & Gas Division GENTLEMEN:	
· ·	
title thereto. (or as the case may be) under much	bove named farm or tract of land for oil and gas, having fee
title thereto, (or as the case may be) under grant or lease dat	ed <u>see attached</u> 19 by
19 in County, Book	and recorded on the day of
DRILL DEEPER	REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED I	BEFORE JUNE 5, 1969.
The enclosed plat was prepared by a registered engineer or have been notified as of the above date.	licensed land surveyor and all coal owners and/or operators
The above named coal owners and/or operator are hereby no to make by Section 3 of the Code, must be received by, or filed	tified that any objection they wish to make, or are required with the Department of Mines within ten (10) days. *
Copies of this notice and the enclosed plat were mailed by re	gistered mail or delivered to the
or coal owners at their above shown respective addresssame day with the mailing or delivery of this copy to the Depar	
PLEASE SUBMIT COPIES OF ALL	ry truly VALL HEN LAND AND MINERAL COMPA
GEOPHYSICAL LOGS DIRECTLY TO: (Si	gn Name Manage
WEST VIRGINIA GEOLOGICAL AND	Land, Leasterand Right of Way
ECONOMIC SURVEY Address	P. O. Drawer 1740
P. O. BOX 879 of	Street
MORGANTOWN, WEST VIRGINIA 26505 Well Operato	
AC-304 - 292-6331	City or Town
	West Virginia 26301
	State
ACCOMMON	
SECTION 3 If no objections are filed or found by the Depa notice and plat by the department of mines, to said proposed location, the he filing of such plat, that no objections have been made by the coal operated the well operator authorized to proceed.	rtment of mines, within said period of ten days from the receipt of department shall forthwith issue to the well operator a permit reciting for or found thereto by the department and that the same is approved
he filing of such plat, that no objections have been made by the coal operation	
he filing of such plat, that no objections have been made by the coal operation	DODD-2318 DODD-2318 PERMIT NUMBER

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

PROPOSED WORK ORDER TO DRILLING CONTRACTOR: (I		DEEPEN FRACTURE-STIMULATE			
NAME		RESPONSIBLE AGENT: NAME Allegheny Land and Mineral Comp			
		P. O. Dr	awer 1/40		
ADDRESS		ADDRESS Clarks	sburg, West Virginia 26		
TELEPHONE					
ESTIMATED DEPTH OF COMP	PLETED WELL: 2300	ROTARY XX	CABLE TOOLS		
PROPOSED GEOLOGICAL FOR	RMATION:Weir				
TYPE OF WELL: OIL	GAS <u>XX</u> (COMB STORA	AGE DISPOSAL		
	RECYCLI	NG WATER	FLOODOTHER		
TENTATIVE CASING PROGRA					
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.		
20 - 16	20 1	20'	cement to surface		
13 - 10					
9 - 5/8					
8 - 5/8	550'	550'	cement to surface		
7	7 W. Carlon Co. Carlon		Surface		
5 ½			cement to 300' above		
4 ½	2300'	2300'	producing horizon		
3			Perf. Top		
2			Perf. Bottom		
Liners		and the second s	Perf. Top		
			Perf. Bottom		
OF PLAT: TO DRILL DEEPER OR REDRI SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR MUST ALSO BE SUBMITT TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL OBOND, PERMANENT PLAT OIL AND/OR GAS WELL OIL AND/OR GAS	OF OG - 1, SHOWING ORIGITO 1929, A PERMANENT CONTROL ORIGINALLY DRILLED BEFORMANCE ORIGINALLY DRILLED ON AN ORIGINALLY DRILLED ON AN OWNBER, AND PERFORMANCE OF Within ninety (90) days of control	INAL PERMIT NUMBER OPY OF THE PLAT AN RE JUNE 5, 1929, FIVE (CORD. ND/OR AFTER JUNE 5, BOND.	AND PERFORMANCE BOND. ON TO THE ORIGINAL WELL RECORD (5) COPIES OG - 1, PERFORMANCE 1929, FIVE COPIES OG - 1, SHOW- ise. Inspector to be notified twenty-		
WAIVER: I the undersigned, Ag this lease have examin We the	be completed by the coal ope ent for ned and place on our mine m	erator if the permit is to Coal Company, Ow aps this proposed well lo have no objections to said	be issued within ten days of receipt oner or Operator of the coal under ocation. d well being drilled at this location, and 7, Chapter 22 of the West Virginia		
	Vidia		No.		

Official Title