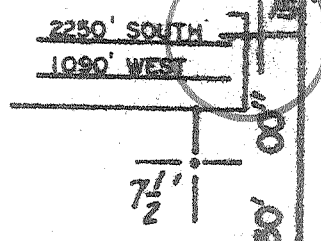


10/22/79

Latitude 39° 20' 00"

0.483
0.20W



Longitude 81° 00' 00"

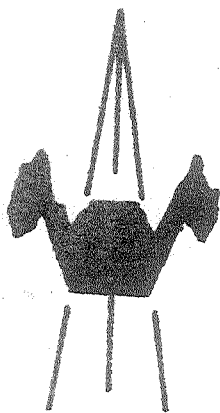
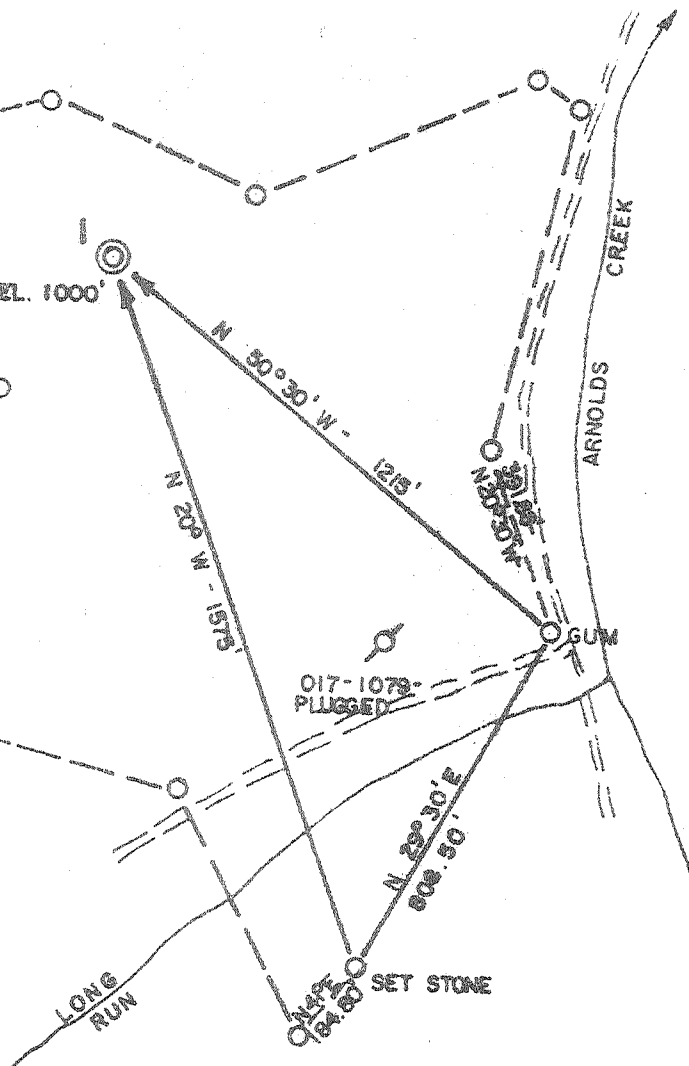
39 19 35
80 50 15

DOTSON

DOTSON

WILSON

MONTGOMERY



ACCURACY: 1/200'

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill
- Other

Formation GORDON

Est. Depth 2700'

- Oil
- Gas
- Other

Source of Elevation ROAD INTERSECTION (755')

I, the undersigned, hereby certify that this map is correct to the best of my knowledge 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.

Chet Waterman

Company INDUSTRIAL GAS ASSOCIATES

Address PARKERSBURG, WV

Surface Owner PAUL JAMES

Mineral Owner L.G. HAMMER
C. HANES HEIRS

Farm Name JOHN MONTGOMERY

Well No. 1 Acres 43

Elevation 1000' SC

Quadrangle WEST UNION Series 7.5'

County DODDRIDGE District CENTRAL

Date 10/18/79 Scale 1" = 400'

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

WELL LOCATION MAP

47 - 017 - 2514

STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.
Engineer CHET WATERMAN NOV 6 1979
Engineer's Registration No. 3788 File No. 79-747

6-6 Greenwood (89)

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

Date November 26, 1979

FORM IV-35
(Obverse)

Operator's
Well No. Montgomery #1

[08-78]

WELL OPERATOR'S REPORT

API Well No. 47 - 017 - 25
State County Perm

OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production ___ / Underground storage ___ / Deep ___ / Shallow ___)

LOCATION: Elevation: 980 Watershed: Long Run
District: Central County: Doddridge Quadrangle: West Union 7 1/2

WELL OPERATOR Industrial Gas Associates
Address Box 1610
Greenwich, CT 06830

DESIGNATED AGENT Dallas Frederick
Address Box 13
Nobe, WV 26158

PERMITTED WORK: Drill X / Convert ___ / Drill deeper ___ / Redrill ___ / Fracture or stimulate ___
Plug off old formation ___ / Perforate new formation ___
Other physical change in well (specify) _____

PERMIT ISSUED ON October 22, 1979

OIL & GAS INSPECTOR FOR THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED

Name Paul Garrett
Address 321 Beech Street
Clarksburg, WV 26303

GEOLOGICAL TARGET FORMATION: Injun & Weir Depth 1982-2303 feet

Depth of completed well, 2380 feet Rotary X / Cable Tools ___

Water strata depth: Fresh, 80 feet; salt, N/A feet.

Coal seam depths: N/A Is coal being mined in the area? No

Work was commenced November 6, 1979, and completed November 13, 1979

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water	8 5/8	CW	22	X		264	264	80 sks
Coal								Class A neat
Intermediate								Sizes
Production	4 1/2	CW	10.5	X			2345	125 sks
Tubing	1"	SML		X			2225	Depth set 2345
Liners								

RECEIVED
NOV 27 1979
Operations:
Top Bottom

OPEN FLOW DATA

OIL & GAS DIVISION
DEPT. OF MINES
Pay zone depth 1950-2026 feet

Producing formation Keener & Injun

Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, ___ Bbl/d

Final open flow, 350 Mcf/d Final open flow, 3 Bbl/d

Time of open flow between initial and final tests, ___ hours

Static rock pressure, ___ psig (surface measurement) after ___ hours shut in

[If applicable due to multiple completion--]

Second producing formation Weir Pay zone depth 2194-2303 feet

Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, ___ Bbl/d

Final open flow, 400 Mcf/d Final open flow, 2 Bbl/d

Time of open flow between initial and final tests, ___ hours DEC 7 1979

Static rock pressure, 750 psig (surface measurement) after 24 hours shut in

[08-78]

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

Weir - Perforated Intervals	2195-2197	2 holes
Fraced with 342 bbls water and	2206-2212	7 holes
28,000# sand and 50,000 SCF N ²	2260-2266	7 holes
	2270-2276	7 holes
Injun & Keener - Perforated Intervals	1951	1 hole
Fraced with 350 bbls water and	1956-1966	10 holes
28,000# sand and 50,000 SCF N ²	2014-2024	10 holes

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Including in this interval, all sand and salt water, etc.
Soil	brown	soft	0	15	
Sand & Shale	brown	soft	15	1130	
Shale	black	soft	1130	1200	
Shale	black	soft	1200	1360	
Sand	white	hard	1360	1385	
Shale	black	soft	1385	1418	
Sand	white	hard	1418	1498	
Shale	black	soft	1498	1530	
Sand	white	hard	1530	1675	
Shale	black	soft	1675	1690	
Sand	white	hard	1690	1705	
Shale	black	soft	1705	1867	
Lime (big)	white	hard	1867	1925	
Sand (Keener)	white	soft	1925	1982	
Sand (Injun)	white	soft	1982	2040	
Shale	black	soft	2040	2194	
Sand (Weir)	black	soft	2194	2303	
Shale	black	soft	2303	2380	
T. D.				2380	

(Attach separate sheets to complete as necessary)

Industrial Gas Associates
Well Operator

By

Its Agent

John Cushing

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 coal, encountered in the drilling of a well."



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

Mail to: Petroleum Services
Box 4081
Parkersburg, WV 26104
RECEIVED
OCT 22 1979
OIL & GAS DIVISION
DEPT. OF MINES

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE October 19, 1979

Surface Owner Paul James
Address Greenwood, WV

Company Industrial Gas Associates
Address Greenwich, CT 06830

Mineral Owner Lorena G. Hammer etal
Address Elkins, WV

Farm Montgomery Acres 43
Location (waters) Long Run

Coal Owner N/A
Address N/A

Well No. 1 Elevation 1000

Coal Operator N/A
Address N/A

District Central County Doddridge

Quadrangle West Union 7 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 drilling. This permit shall expire if
operations have not commenced by 6-22-80.

INSPECTOR
TO BE NOTIFIED Paul Garrett

ADDRESS 320 Beach St., Clarksburg, WV

PHONE 622-3871

Robert H. [Signature]
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon 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 lease dated May 31 1979 by Lorena Hammer etal made to Petroleum Services and recorded on the 7 day of June 1979 in Doddridge County, Book 108 Page 672

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer-or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Very truly yours,
(Sign Name) *John C. [Signature]*

Industrial Gas Associates
Box 1610

Address _____ Street
of _____
Well Operator Greenwich City or Town
Connecticut 06830 State

*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 approved and the well operator authorized to proceed.

BLANKET BOND

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Gene Stalnaker, Inc. NAME Dallas Frederick
 ADDRESS Letter Gap, WV ADDRESS Nobe, WV
 TELEPHONE 462-7092 TELEPHONE 354-7484
 ESTIMATED DEPTH OF COMPLETED WELL: 2700 ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Bea?
 TYPE OF WELL: OIL X GAS _____ COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	240	240	Circ.
7			
5 1/2			
4 1/2		2700	125 sks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 80 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS None
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title