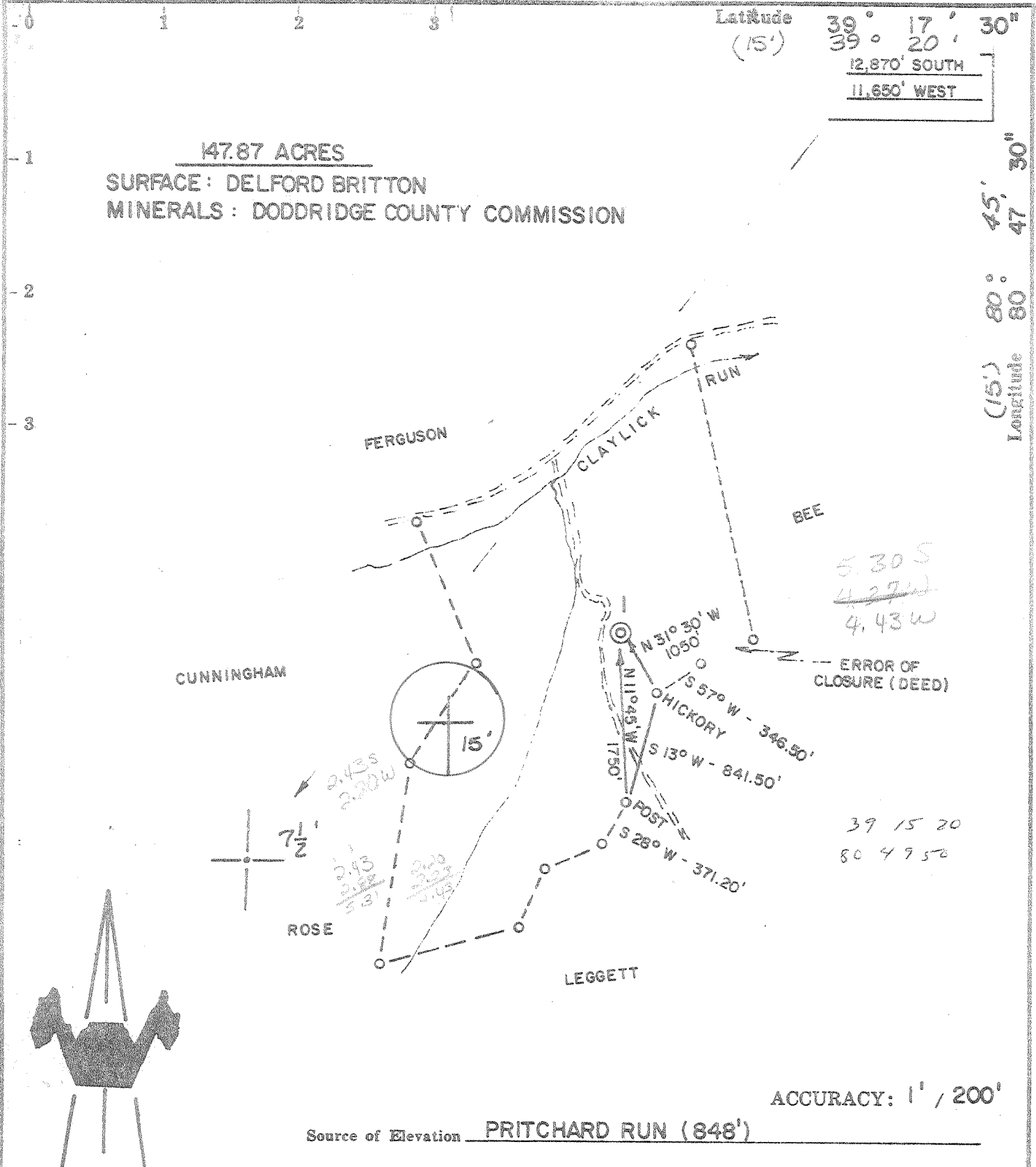


3/1/79



Latitude (15') $39^{\circ} 17' 30''$
 $39^{\circ} 20' 30''$
 12,870' SOUTH
 11,650' WEST

Longitude $80^{\circ} 45' 30''$
 $80^{\circ} 47' 30''$

147.87 ACRES
 SURFACE: DELFORD BRITTON
 MINERALS: DODDRIDGE COUNTY COMMISSION

5.30 S
~~4.27 W~~
 4.43 W

ERROR OF CLOSURE (DEED)

39 15 20
 80 49 50

ACCURACY: 1' / 200'

Source of Elevation PRITCHARD RUN (848')

- New Location OIL & GAS
- Drill Deeper
- Abandonment
- Fracture
- Redrill

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

FIFTH - 2850'

Company	INDUSTRIAL GAS ASSOCIATES
Address	GREENWICH, CONN.
Farm	DELFORD BRITTON
Tract	Acres <u>147.87</u> Lease No. _____
Well (Farm) No.	<u>1</u> Serial No. _____
Elevation (Spirit Level)	<u>1020'</u> <i>SE</i>
Quadrangle	WEST UNION (7.5' SERIES), 15'
County	DODDRIDGE District <u>CENTRAL</u>
Engineer	CHET WATERMAN
Engineer's Registration No.	3788
File No.	<u>79-115</u> Drawing No. _____
Date	<u>2/26/79</u> Scale <u>1" = 1000'</u>

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

WELL LOCATION MAP
 FILE NO. 47-017-2353

+ Denotes location of well on United States Topographic Maps, scale 1 to 25,000, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

MAR 21 1979

6 1/2 Smithton - Flint - Sedalia (99) 133



Britton #1

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle West Union 7.5

Permit No. 47-017-2353

Rotary X Oil _____
Cable _____ Gas _____
Recycling _____ Comb. X _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company Industrial Gas Associates
Address Box 1610, Greenwich, Connecticut
Farm Britton Acres 147.87
Location (waters) Claylick Run
Well No. 1 Elev. 1020
District Central County Doddridge
The surface of tract is owned in fee by _____
Delford Britton
Address Sunnyside, West Virginia
Mineral rights are owned by Doddridge County
Commissioner Address West Union, West Virginia
Drilling Commenced 3-7-79
Drilling Completed 3-12-79
Initial open flow show cu. ft. _____ bbls.
Final production 800,000 cu. ft. per day 2 bbls.
Well open 4 hrs. before test 950 RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10"			
9 5/8			
8 5/8	237	237	115 sks.
7			
5 1/2			
4 1/2		2429	125 sks.
3			
2			
Liners Used			

Attach copy of cementing record.

Weir - Fraced with 309 Bbls water - 21,000# Sand - 55,000 SCF N²

Injun - Fraced with 354 Bbls water - 21,000# Sand - 55,000 SCF N²

Coal was encountered at none Feet _____ Inches _____
Fresh water 80 Feet _____ Salt Water _____ Feet _____
Producing Sand Weir and Injun Depth W-2267-2380 I-2043-2106

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil	Brown	Soft	0	10		
Sand & Shale		soft	10	1144		
1st Cow Run	White	soft	1144	1179		
Shale	Black	soft	1179	1252		
2nd Cow Run	White	soft	1252	1276		
Shale	Black	soft	1276	1350		
Sand	White	hard	1350	1405		
Shale	Brown	soft	1405	1500		
Sand	White	hard	1500	1535		
Shale	Black	soft	1535	1645		
Sand	White	soft	1645	1730		
Shale	Black	soft	1730	1981		
Big lime	White	hard	1981	2043		
Big Injun	White	hard	2043	2106		
Shale	Black	soft	2106	2267		
Weir	Black	soft	2267	2380		
Shale	Black	soft	2380	2464		
Berea	Black	soft	2464	2468		
Shale	Black	hard	2468	2518		
TD				2518		

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED
MAR 1 1979

OIL & GAS DIVISION
DEPT. OF MINES

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

DATE 2/27/79

Surface Owner Delford Britton Company Industrial Gas Associates
 Address Sunnyside, West Virginia Address P.O. Box 1610, Greenwich, Conn.
 Mineral Owner Doddridge County Commissioner Farm Doddridge County Acres 147.87
 Address West Union, West Virginia Location (waters) Claylick Run
 Coal Owner N/A Well No. 1 Elevation 1020'
 Address N/A District Central County Doddridge
 Coal Operator N/A Quadrangle West Union Sect 7.5'
 Address N/A

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 11-1-79.

John T. Cushing
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS 321 Beach St., Clarksburg, W.V.
PHONE 622-3671

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 1/17 1979 by P.D. Farr II made to Petroleum Services, Inc. and recorded on the 18th day of January 1979, in Doddridge County, Book 107 Page 233

XX 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

Address
of
Well Operator

Very truly yours,
(Sign Name) John Cushing
Well Operator
Box 1610
Street
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.

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by _____

47-017-2353 PERMIT NUMBER

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

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Gene Stalnsker, Inc. NAME Dallas Frederick
 ADDRESS Letter Gap, W.V. ADDRESS Box 13, Nobe, W.V.
 TELEPHONE 462-7092 TELEPHONE 354-7484
 ESTIMATED DEPTH OF COMPLETED WELL: 2500 ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Petra
 TYPE OF WELL: OIL _____ GAS _____ COMB. XX 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	230	230	CL
7			
5 1/2			
4 1/2	2500	2500	125 Sks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS N/A
 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