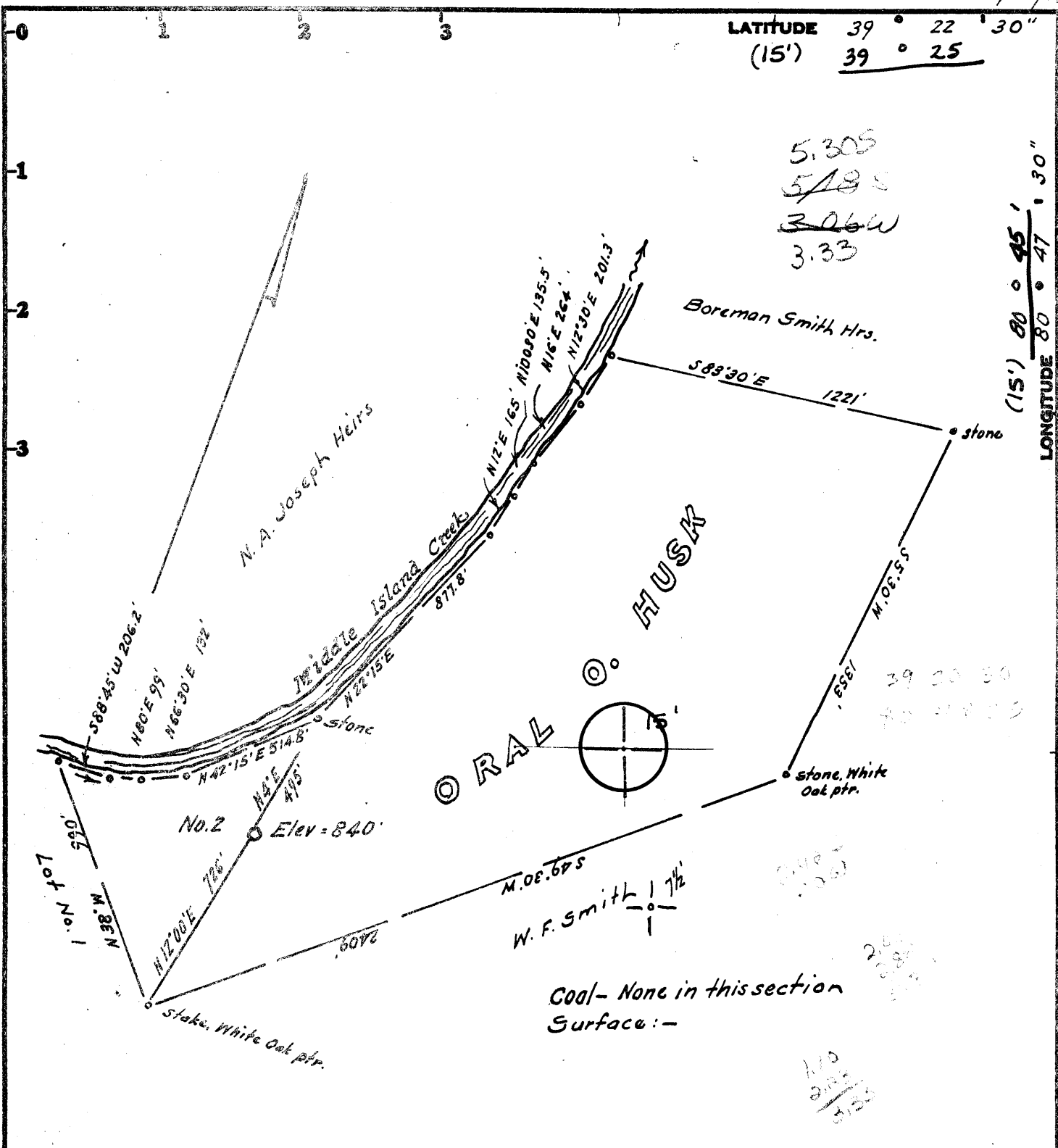


10/25/78



LATITUDE 39° 22' 30"
(15') 39° 25'

LONGITUDE 80° 47' 30"
(15') 80° 45'

5.305
5.185
3.06W
3.33

Minimum Error of Closure 1 in 200'

Source of Elevation USGS BM on Middle Island Creek, (the Worlds Longest Creek) South of Lease = 75'

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

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.

Signed: W. F. Smith
Squares: N S E W

Map No. _____

Company INDUSTRIAL GAS ASSOCIATES

Address PO Box 1610, Greenwich, Conn. 06830

Farm Oral Husk, ELSIE KEYS

Tract _____ Acres 73.6 Lease No. _____

Well (Farm) No. Two Serial No. _____

Elevation (Spirit Level) 840

Quadrangle West Union 7 1/2 and 15' EC

County Doddridge District West Union

Engineer W. F. Smith

Engineer's Registration No. 1221 LLS 200

File No. _____ Drawing No. _____

Date October 20, 1978 Scale 1" = 500'

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

WELL LOCATION MAP
FILE NO. DODD-2304

+ 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. 47-017

4-4 6-4 2500' Berea

Wilbur (92)

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECORDED

APR 26 1979

Oil and Gas Division
WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle West Union 7½

Permit No. 2304-017

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

Company Industrial Gas Associates
Address Box 1610, Greenwich, Conn.
Farm Oral Husk Acres 73.6
Location (waters) Middle Island Creek
Well No. 2 Elev. 840
District West Union County Doddridge
The surface of tract is owned in fee by _____
Elsie Keys
Address R.R. West Union, W.V.
Mineral rights are owned by Oral Husk
Address 8504 Waco Dr., Oxon Hill, Md.
Drilling Commenced _____
Drilling Completed _____
Initial open flow Show cu. ft. _____ bbls.
Final production 500,000 cu. ft. per day 5 bbls.
Well open 4 hrs. before test 600 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	240	240	115 Sks
7			
MA 1/2			
4 1/2		2453	125 Sks
3			
2			
Liners Used			

Attach copy of cementing record.

Weir - Fraced with 328 BBLS water, 9,000# sand, 35,000SCF N²

Injun - Fraced with 390 BBLS water, 13,000# sand, 35,000 SCF N²

Coal was encountered at None Feet _____ Inches _____
Fresh water 98 Feet _____ Salt Water _____ Feet _____
Producing Sand Weir & Injun Depth 1650 - 2040

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil	Brown	Soft	0	10		
Sand & Shale	Brown	Soft	10	1250		
Shale	Black	Soft	1250	1340		
Sand	White	Soft	1340	1445		
Shale	Black	Soft	1445	1460		
Sand	White	Hard	1460	1512		
Shale	Black	Soft	1512	1600		
Big Lime	White	Hard	1600	1650		
Big Injun	White	Hard	1650	1782		
Shale	Black	Soft	1782	1932		
Sand & Weir	Brown	Soft	1932	2040		
Shale	Black	Soft	2040	2610		
T.D.				2610		Berea

MAY 8 1979



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

OCT 25 1978

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE 10-24-78

Surface Owner Elsie Keys
Address R. R. West Union
Mineral Owner Oral Husk
Address 8504 Waco Dr., Oxon Hill, Md.
Coal Owner N/A
Address N/A
Coal Operator N/A
Address N/A

Company Industrial Gas Associates
Address Box 1610, Greenwich, Conn.
Farm Oral Husk Acres 73.6
Location (waters) Middle Island Creek
Well No. 2 Elevation 840
District West Union 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 2-25-79.

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS 321 Beech St., Clarksburg, WV
PHONE 622-3871

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 June 3 1978 by Oral Husk made to Kanawha Drilling and recorded on the 8 day of June 1978, in Doddridge County, Book 104 Page 71.

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.

Very truly yours, Industrial Gas Associates

(Sign Name) John Cushing
Well Operator

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

Box 1610
Street
Greenwich
City or Town
Conn. 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

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 Stalnake, Inc. NAME Vearl Summers
 ADDRESS Letter Gap, W. Va. ADDRESS P.O. Box 1486, Parkersburg, W. Va.
 TELEPHONE 462-7092 TELEPHONE 485-7419
 ESTIMATED DEPTH OF COMPLETED WELL: 2,500 ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Berea
 TYPE OF WELL: OIL _____ GAS XX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENTED UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	250	250	Cir
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