

KEEN MOUNTAIN-2-8

API No. 45-027-20269-00-03 VDMR Well Rep. No. \_\_\_\_\_  
 Operator TEXAS INTERNATIONAL PETROLEUM CORPORATION DMQ File No. BU-155  
 (Repermitted to NRM Petroleum Co. 731)  
 Farm BIG VEIN (YUKON POCAHONTAS COAL COMPANY ET AL)  
 Co. Well No. ISLAND CREEK #6  
 County BUCHANAN Quadrangle KEEN MOUNTAIN - 7-1/2'  
 Location (UTM) N 4,119,430; E 416,920 UTM Zone 17  
 (Lat. and Long.) \_\_\_\_\_  
 Field \_\_\_\_\_ Province APPALACHIAN PLATEAUS  
 Elev. (specify) 1895.' GR. TD 5110' Form. at TD DEVONIAN SHALE  
 INITIAL FLOW - SHOW Age DEVONIAN  
 Date compl. or abandoned AUGUST 2, 1977  
 Result GAS WELL  
 Gas Shows \_\_\_\_\_  
 Gas Pays 4933' to 4980'  
 Main Production 3980' to 4933' Prod. Form. BIG LIME, INJUN, WEIR,  
 Age AND BEREA MISSISSIPPIAN  
 Treatment: BROKE DOWN BEREA WITH 650 PSI. FRACTURED WITH 704 BARRELS OF  
JELLED WATER, 50,000 POUNDS OF 20/40 SAND. AVERAGE INJECTION RATE WAS  
21 BARRELS PER MINUTE. AVERAGE INFECTION PRESSURE WAS 1050 PSI.  
 Initial Production \_\_\_\_\_  
FINAL FLOW - 14,900 CU. FT.  
 Oil shows \_\_\_\_\_  
 Water FW \_\_\_\_\_ at \_\_\_\_\_ at \_\_\_\_\_ at \_\_\_\_\_  
 SW \_\_\_\_\_ at \_\_\_\_\_ at \_\_\_\_\_ at \_\_\_\_\_  
 Coal 117' to 121'; 150' to 154'; 1060' to 1065'; 1242' to 1245'; 1310' to 1319'  
 Plat X Plotted X Completion Report X  
 Drillers Log X Geologic Log \_\_\_\_\_  
 Samples \_\_\_\_\_ Interval Sheet \_\_\_\_\_  
 Sample Interval \_\_\_\_\_  
 Remarks \_\_\_\_\_  
 Geophysical Logs S.P. \_\_\_\_\_ Res X Gamma X Neutron \_\_\_\_\_  
 Density X Sonic \_\_\_\_\_ Other TEMPERATURE, CASING COLLAR,  
PERFORATING DEPTH CONTROL, CALIPER, INDUCTION



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF LABOR AND INDUSTRY  
DIVISION OF MINES AND QUARRIES  
BIG STONE GAP, VIRGINIA 24219

NOTICE OF INTENTION TO (DRILL)

OIL OR GAS WELL

(One copy of this report and three identical copies of a plat or map, on a scale not smaller than 400 feet to the inch, and showing information required by Section 45.1-114, Code of Virginia, 1950, 1954 and the 1966 Cumulative Supplement, must be submitted to the Division of Mines and Quarries, and copies sent by registered mail to all persons defined in above law, prior to obtaining a permit to drill.)

TO: Division of Mines and Quarries  
Drawer V  
Big Stone Gap, Virginia 24219

Charleston, West Virginia  
Place  
May 16, 1977  
Date

Gentlemen:

The undersigned proposes to begin as soon as a permit therefor is obtained from the Division of Mines and Quarries, to drill, redrill or deepen (strike out two) a well for oil or gas on the Big Vein Farm, comprising 876.08 acres, in the Garden District of Buchanan County, Virginia, having the fee title thereto, or as the case may be, under grant or lease dated July 11, 1972, made by Yukon Pocahontas Coal Co., etal to Island Creek Coal Company and recorded on the 31st day of August, 19 72 in the office of the County Clerk for said County in Book 209 Page 27. The proposed location of the well, as shown on the attached plat or map, is about 10,850 (feet/ ) South of Latitude 37° 15 and about 5,550 (feet/ West of Longitude 81° 55.

It is proposed to drill this well to a depth of about 5,000 feet. Samples or cutting therefrom will or will not be available for examination by a member of the staff of the Virginia Geological Survey. Cuttings will or will not be furnished the Survey.

A plat or map, in triplicate, on a scale not smaller than 400 feet to the inch, showing the proposed location of the well and other information, required in Section 45.1-114, Code of Virginia, 1950, 1954 and the 1966 Cumulative Supplement is attached hereto. Copies of the plat and notice of intention to drill, redrill or deepen the aforementioned well have been sent to all interested persons as required by Section 45.1-114, above cited, as follows (list names and mail address of each. Use back of sheet if additional space is required):

1. Mr. Richard M. George, Manager, Georgia-Pacific Corporation, Box 909, Augusta, GA 30903
2. Mr. Richard Bolen, Chief Engineer, Jewell Coal & Coke Corp., Vansant, VA 24656
3. Mr. Guy Richardson, Director of Engineering, Island Creek Coal Co., Keen Mountain, VA 24624
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

Signature of officer or certifying party:

Very truly yours,  
Texas International Petroleum Corporation  
Drilling Company or Operator  
\_\_\_\_\_  
Street Address  
Charleston, West Virginia  
City or Town and State

\_\_\_\_\_  
Name  
\_\_\_\_\_  
Title

File BU-155 Date Received 5-24-77 Well No. I.C.-6

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF LABOR AND INDUSTRY  
DIVISION OF MINES AND QUARRIES  
BIG STONE GAP, VIRGINIA 24219  
PHONE 703-523-0335

APPLICATION FOR PERMIT TO (DRILL)

CIL OR GAS WELL

(Required by Section 45.1-115, Code of Virginia, 1950, 1954 and the 1966 Cumulative Supplement. To be accompanied by Permit fee of twenty-five dollars and bond and surety therefor, as specified by Section cited. To be submitted in duplicate, one copy to be returned to applicant after action by Division of Mines and Quarries.

TO: Division of Mines and Quarries  
Drawer V  
Big Stone Gap, Virginia 24219

Charleston, West Virginia  
Place

May 16, 1977

Date

Gentlemen:

The undersigned hereby makes application for a Permit to drill, redrill, or deepen (strike out two) a well for oil or gas on the Big Vein Farm, comprising 876.08 acres, in the Garden District of Buchanan County, Virginia, having the fee title thereto, or as the case may be, under grant or lease dated July 11, 1972 made by Yukon Pocahontas Coal Co., etal. (Form 2) to Island Creek Coal Company and recorded on the 31st day of August, 1972 in the office of the County Clerk for the said County in Book 209 page 27.

The proposed location of the well is shown on a location plat or map submitted to the Division of Mines and Quarries, by the undersigned, together with Notice of Intention to Drill, Redrill or Deepen a Well for Oil or Gas on the 19 day of 19.

The proposed well will be known as Well No. I.C.-6 of Texas International Petroleum Corp. (company, etc.) It is proposed to drill this well to a depth of about 5,000 feet.

The proposed location is about 475 feet distant from the nearest property or lease line; about 430 feet distant from the nearest mining opening, and/or about 5500 feet distant from the nearest gas abandoned, well.

There is enclosed herewith a certified check or U.S. Postal Money Order, in the amount of twenty-five (\$25.), payable to the Treasurer of Virginia, covering fee for a Permit to Drill a Well for Cil or Gas, as required by Section 45.1-115, Code of Virginia, 1950, 1954 and the 1966 Cumulative Supplement. Bond and Surety therefor to insure compliance with the provisions of Chapter 8, Title 45, Code of Virginia, 1950 and the 1966 Supplement, for this well, in the amount of \$ 3,000 is submitted herewith of (give status of) Surety Bond No. 48510574 BCA

Correspondence regarding this well should be addressed to \_\_\_\_\_

Very truly yours;

Signature of officer or certifying party:

Jim Robertson Name Ry C N Clark  
Gen mdr. Title

Texas International Petroleum Corporation  
Drilling Company or Operator

Street

Charleston

City or Town

West Virginia

State

Space below this line is for the use of the Board only.

ACTION OF DIVISION OF MINES AND QUARRIES

Received on 5-24-, 1977.

Approved and Permit (no. 269) granted on 6-10-, 1977

Denied

Reasons for denial \_\_\_\_\_

DIVISION OF MINES AND QUARRIES

By W. M. G. J. Title State Oil & Gas Inspector

File No. BU-155 Well No. I.C. - 6 Permit No. 269



(To be filled in by  
Division of Mines)

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF LABOR AND INDUSTRY

(To be filled in by  
Division of Mines)

BUCHANAN

County

GARDEN

District

KEEN MOUNTAIN

Map

84-155

File

DIVISION OF MINES

BIG STONE GAP, VIRGINIA

DEEPENED  
OIL AND GAS WELL COMPLETION REPORT  
ABANDONMENT

Well No. T.C.-6

Permit No. 269

Office No. \_\_\_\_\_

Location Plat \_\_\_\_\_

(This report and a copy of electrical log, if made, must  
be submitted to the Division of Mines within 30 days after  
abandonment or completion of well, as required by Section  
45-113, Code of Virginia, 1950.)

Company Texas International Petroleum  
Corporation

Address Suite 1020-One Valley Square  
Charleston, West Virginia 25301

Farm Big Vein (Yukon Pocahontas Coal Co., etal)

Acres 876.08

County Buchanan

District Garden

Well No. (Company) Island Creek #6

Elevation (ground surface) 1895' ft.

Location: (Give direction and distance in feet or tenths of a mile from two (2) location reference points or map coordinates shown on location plat or map previously filed with the Division of Mines or shown on quadrangle topographic map of area.)

10,850 <sup>feet</sup>/<sub>miles</sub> South of Latitude 37° 15 and  
5,550 <sup>feet</sup>/<sub>miles</sub> West of Longitude 81° 55

Surface of tract is owned in fee simple by Big Vein (Yukon Pocahontas Coal Company, etal)  
Address Box 909, Augusta, Georgia 30903

Mineral rights are owned by Big Vein (Yukon Pocahontas Coal Company, etal)  
Address Box 909, Augusta, Georgia 30903

Location made by Island Creek Coal Company / Guy Richardson

Drilling commenced June 20, 1977

Drilling contractor Appalachian Drilling Company

Drilling completed July 3, 1977

Address Jesse, West Virginia

Well completed as <sup>gas</sup>/<sub>oil</sub> well on August 2, 1977

Well abandoned at N/A feet on N/A: Reason N/A

Well plugged on N/A, 19     Affidavit filed N/A, 19    

Total depth 5107' feet. Steel line measurement 5110' feet.

Commenced producing on Shut-in waiting on pipeline connection.

Oil Well

Initial production, oil: 1st 24 hours N/A bbls.; 2nd 24 hours N/A bbls.

After shot on N/A from N/A feet to N/A feet with N/A lbs. N/A qts.

After shot on N/A from N/A feet to N/A feet with N/A lbs. N/A qts.

1st 24 hours N/A bbls.; 2nd 24 hours N/A bbls.

Settled production N/A bbls. per day after producing N/A days/weeks

Gravity and grade of oil N/A

Oil pays at (1) N/A feet to N/A feet. Oil shows at (1) N/A feet to N/A feet.  
(2) N/A feet to N/A feet. (2) N/A feet to N/A feet.  
(3) N/A feet to N/A feet. (3) N/A feet to N/A feet.  
(4) N/A feet to N/A feet. (4) N/A feet to N/A feet.  
Main production at N/A feet to N/A feet. (5) N/A feet to N/A feet.

Gas Well

Gaged 2 /10ths. Water in 1 inch.

Initial open flow, gas:

Volume 14,900 cu. ft.

After shot on \_\_\_\_\_ from \_\_\_\_\_ feet to \_\_\_\_\_ feet with \_\_\_\_\_ lbs. \_\_\_\_\_ qts.

After shot on \_\_\_\_\_ from \_\_\_\_\_ feet to \_\_\_\_\_ feet with \_\_\_\_\_ lbs. \_\_\_\_\_ qts.

1st 24 hours \_\_\_\_\_ cu ft., 2nd 24 hours \_\_\_\_\_ cu ft.



Well No. IC #6

File No. BU - 155

Permit No. 269

## LOG

Furnished by \_\_\_\_\_ Date \_\_\_\_\_

Compiled by \_\_\_\_\_ Date \_\_\_\_\_

| SAMPLE No.                            | FORMATION       | COLOR | HARD OR SOFT | TOP (feet) | BOTTOM (feet) | THICKNESS (feet) | REMARKS<br>OIL, GAS,<br>WATER DEPTHS<br>SHUT DOWN<br>FISHING, ETC. |
|---------------------------------------|-----------------|-------|--------------|------------|---------------|------------------|--|
| Electric Log<br>Tops                  | Fill            |       | Soft         | 0          | 30            |                  |  |
|                                       | Sand            |       |              | 30         | 117           |                  |  |
|                                       | Coal            |       |              | 117        | 121           |                  |  |
|                                       | Sand            |       |              | 121        | 144           |                  |  |
|                                       | Sand &<br>Shale |       |              | 144        | 150           |                  |  |
|                                       | Coal            |       |              | 150        | 154           |                  |  |
|                                       | Sand &<br>Shale |       |              | 154        | 607           |                  |  |
|                                       | Shale           |       |              | 607        | 635           |                  |  |
|                                       | Sand &<br>Shale |       |              | 635        | 700           |                  |  |
|                                       | Shale           |       |              | 700        | 716           |                  |  |
|                                       | Sand &<br>Shale |       |              | 716        | 771           |                  |  |
|                                       | Shale           |       |              | 771        | 785           |                  |  |
|                                       | Sand &<br>Shale |       |              | 785        | 910           |                  |  |
|                                       | Shale           |       |              | 910        | 1060          |                  |  |
| Ravencliff 2400                       | Coal            |       |              | 1060       | 1065          |                  |  |
|                                       | Shale           |       |              | 1065       | 1075          |                  |  |
|                                       | Sand            |       |              | 1075       | 1140          |                  |  |
|                                       | Shale           |       |              | 1140       | 1242          |                  |  |
|                                       | Coal            |       |              | 1242       | 1245          |                  |  |
|                                       | Shale           |       |              | 1245       | 1310          |                  |  |
|                                       | Coal            |       |              | 1310       | 1319          |                  |  |
|                                       | Sand &<br>Shale |       |              | 1319       | 1492          |                  |  |
|                                       | Shale           |       |              | 1492       | 1580          |                  |  |
|                                       | Sand            |       |              | 1580       | 1611          |                  |  |
|                                       | Shale           |       |              | 1611       | 1870          |                  |  |
|                                       | Sand &<br>Shale |       |              | 1870       | 2404          |                  |  |
|                                       | Ravencliff      |       |              | 2404       | 2550          |                  |  |
|                                       | Sand &<br>Shale |       |              | 2550       | 2628          |                  |  |
| Avis Lime 2549<br>Upper Maxton 2826   | Sand            |       |              | 2628       | 2930          |                  |  |
|                                       | Sand &<br>Shale |       |              | 2930       | 3110          |                  |  |
| Maxton 3172                           | Maxton          |       |              | 3110       | 3153          |                  |  |
|                                       | Sand &<br>Shale |       |              | 3153       | 3190          |                  |  |
| Lower Maxton 3408<br>Little Lime 3520 | Shale           |       |              | 3190       | 3200          |                  |  |
|                                       | Sand            |       |              | 3200       | 3349          |                  |  |
|                                       | Shale           |       |              | 3349       | 3394          |                  |  |
|                                       | Sand &<br>Shale |       |              | 3394       | 3490          |                  |  |
|                                       | Shale           |       |              | 3490       | 3560          |                  |  |
|                                       | Maxton          |       |              | 3560       | 3612          |                  |  |
| Big Lime 3719                         | Sand &<br>Shale |       |              | 3612       | 3643          |                  |  |
|                                       | Lime            |       |              | 3643       | 4293          |                  |  |
|                                       | Injun Sand      |       |              | 4293       | 4324          |                  |  |
| Weir 4522<br>Berea 4933               | Sand &<br>Shale |       |              | 4324       | 5107          | T.D.             |  |

RECEIVED  
OPER DIVISION  
OFFICE OF LABOR & INDUSTRY

AUG 28 1977 PM  
7:18 PM  
121121284510

THIS FORM MUST BE SIGNED BY AUTHORIZED PERSON:

*Paul J. ...*



(To be filled in by  
Division of Mines)

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF LABOR AND INDUSTRY

(To be filled in by  
Division of Mines)

BUCHANAN

County

GARDEN

District

KEEN MOUNTAIN

Map

BU-155

File

DIVISION OF MINES

BIG STONE GAP, VIRGINIA

DEEPENED  
OIL AND GAS WELL COMPLETION REPORT  
ABANDONMENT

Well No. I.C. - 6

Permit No. 269  
↳ 731

Office No. \_\_\_\_\_

Location Plat \_\_\_\_\_

(This report and a copy of electrical log, if made, must  
be submitted to the Division of Mines within 30 days after  
abandonment or completion of well, as required by Section  
45-113, Code of Virginia, 1950.)

Company Texas International Petroleum  
Corporation ↳ NRM PETROLEUM CO.  
Farm Big Vein (Yukon Pocahontas Coal Co., et al)  
County Buchanan  
Well No. (Company) Island Creek #6

Address Suite 1020-One Valley Square  
Charleston, West Virginia 25301  
Acres 876.08  
District Garden  
Elevation (ground surface) 1895' ft.

Location: (Give direction and distance in feet or tenths of a mile from two (2) location reference points or map coordinates shown on location plat or map previously filed with the Division of Mines or shown on quadrangle topographic map of area.)

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Drilling completed July 3, 1977 Address Jesse, West Virginia

Well completed as <sup>gas</sup>/<sub>oil</sub> well on August 2, 1977

Well abandoned at N/A feet on N/A: Reason N/A  
Well plugged on N/A, 19\_\_ Affidavit filed N/A, 19\_\_  
Total depth 5107' feet. Steel line measurement 5110' feet.  
Commenced producing on Shut-in waiting on pipeline connection.

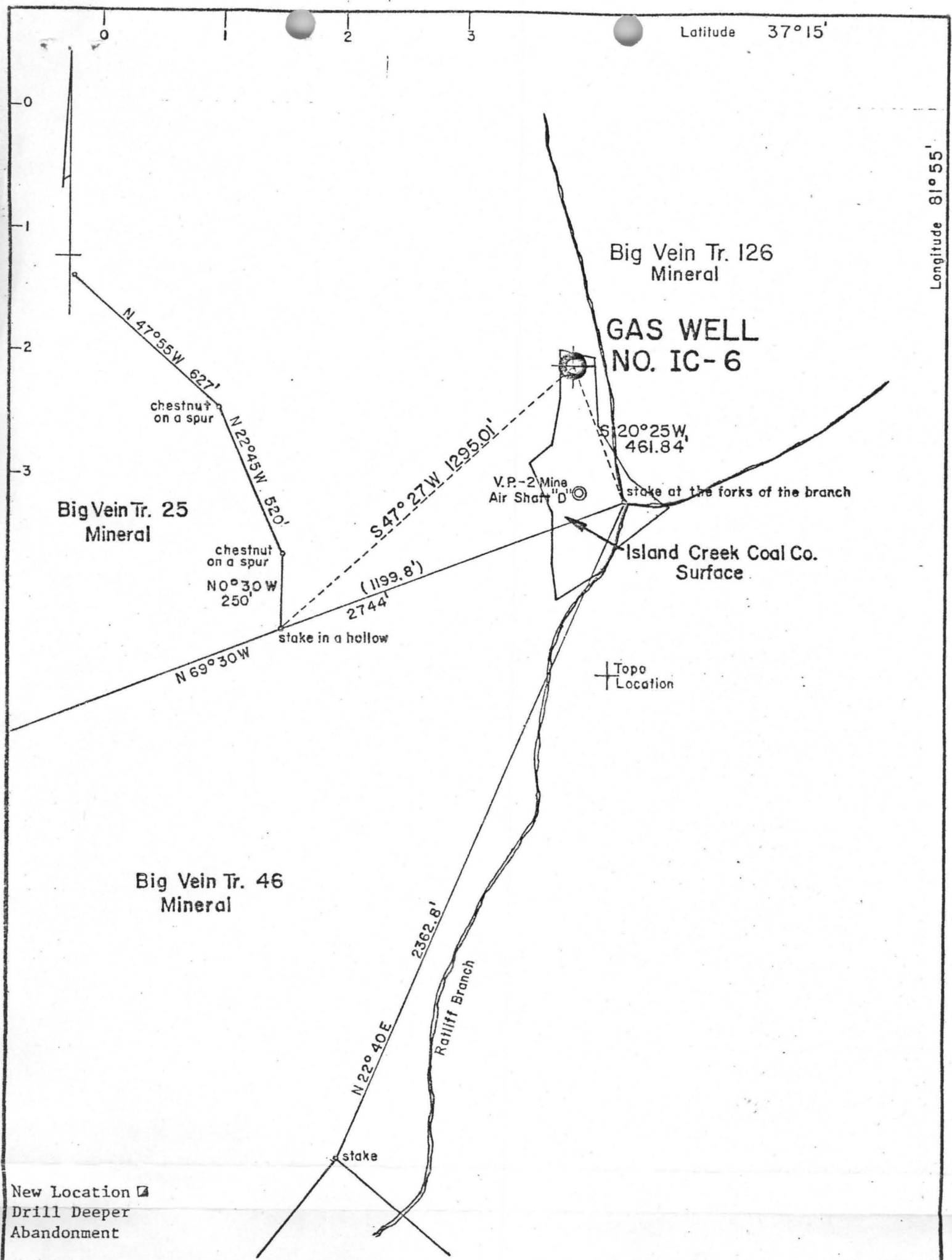
Oil Well  
Initial production, oil: 1st 24 hours N/A bbls.; 2nd 24 hours N/A bbls.  
After shot on N/A from N/A feet to N/A feet with N/A lbs. N/A qts.  
After shot on N/A from N/A feet to N/A feet with N/A lbs. N/A qts.  
1st 24 hours N/A bbls.; 2nd 24 hours N/A bbls.  
Settled production N/A bbls. per day after producing N/A days N/A weeks

Gravity and grade of oil N/A  
Oil pays at (1) N/A feet to N/A feet. Oil shows at (1) N/A feet to N/A feet.  
(2) N/A feet to N/A feet. (2) N/A feet to N/A feet.  
(3) N/A feet to N/A feet. (3) N/A feet to N/A feet.  
(4) N/A feet to N/A feet. (4) N/A feet to N/A feet.  
Main production at N/A feet to N/A feet. (5) N/A feet to N/A feet.

Gas Well Gaged 2 /10ths. Water in 1 inch.  
Initial open flow, gas: \_\_\_\_\_ /10ths. Mercury in \_\_\_\_\_ inch.  
Volume 14,900 cu. ft.  
After shot on \_\_\_\_\_ from \_\_\_\_\_ feet to \_\_\_\_\_ feet with \_\_\_\_\_ lbs. \_\_\_\_\_ qts.  
After shot on \_\_\_\_\_ from \_\_\_\_\_ feet to \_\_\_\_\_ feet with \_\_\_\_\_ lbs. \_\_\_\_\_ qts.  
1st 24 hours \_\_\_\_\_ cu ft., 2nd 24 hours \_\_\_\_\_ cu ft.







New Location   
 Drill Deeper  
 Abandonment

|                             |  |
|-----------------------------|--|
| Company                     | Texas International Petroleum Corporation  |
| Address                     | Charleston, West Virginia                  |
| Farm                        | Big Vein (Yukon Pocahontas Coal Co., Etal) |
| Tract                       | 126 Acres 876.08 Lease No. _____           |
| Well (Farm) No.             | IC-6 Serial No. _____                      |
| Elevation                   | 1895'                                      |
| Quadrangle                  | Keen Mountain, Virginia                    |
| County                      | Buchanan District Garden                   |
| Engineer                    | _____                                      |
| Engineer's Registration No. | _____                                      |
| File No.                    | Drawing No. _____                          |
| Scale                       | 1" = 400'                                  |

COMMONWEALTH OF VIRGINIA  
 DIVISION OF MINES  
 BIG STONE GAP, VA.

WELL LOCATION MAP

File No. BQ-155

PERMIT NO. 269

+ Denotes location of well on United States Topographic Maps; scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.

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