

API No. 45-027-20280-00-03 VDMR Well
 Rep. No. W-5166
 DMQ File No. BU-163
 Operator TEXAS INTERNATIONAL PETROLEUM CORPORATION (Repermitted to NRM Petroleum Corporation)
 Farm GEORGIA PACIFIC
 Co. Well No. ISLAND CREEK #14
 County BUCHANAN Quadrangle GRUNDY - 7-1/2'
 Location (UTM) N4,123,040; E408,790 UTM Zone 17
 (Lat. and Long.) _____
 Field _____ Province APPALACHIAN PLATEAUS
 Elev. (specify) 1865' GR. TD 5040' Form. at TD DEVONIAN SHALE
 INITIAL FLOW - SHOW Age DEVONIAN
 Date compl. or abandoned MARCH 7, 1978
 Result GAS WELL
 Gas Shows _____
 Gas Pays 3942' to 3950'
 Main Production 3942' to 3950' Prod. Form. BIG LIME
 Age MISSISSIPPIAN
 Treatment: PERFORATED BIG LIME FROM 3942' to 3950'; 2 SPF, 17 SHOTS.
LOADED HOLE WITH 15% CRA. ACIDIZED BIG LIME WITH 5,000 GALLONS OF
15% CRA.
 Initial Production _____
FINAL FLOW - 189,000 CU. FT.
 Oil shows _____
 Water FW _____ at _____ at _____ at _____
 SW _____ at _____ at _____ at _____
 Coal 1661' to 1663'; 1774' to 1784'; 1824' to 1830'
 Plat X Plotted X Completion Report X
 Drillers Log X Geologic Log _____
 Samples X Interval Sheet X
 Sample Interval 20' to 5040'
 Remarks _____
 Geophysical Logs S.P. _____ Res X Gamma X Neutron _____
 Density X Sonic _____ Other TEMPERATURE, CASING COLLAR, CALIPER,
INDUCTION, CEMENT BOND

Stratigraphic Data Source

<u>Formation</u>	<u>Top</u>	<u>Datum (Subsea)</u>	<u>Thickness</u>

Remarks _____

References _____

Released to Open File: Completion JUNE 5, 1978
Samples YES

(Note: UTM measurements in meters, all others in feet)

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

NOTICE OF INTENTION TO (DRILL) (REDRILL) (DEEPEN) 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

October 1, 19 77
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 Georgia-Pacific Farm, comprising 2117.24 acres, in the South Grundy 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., (see below) 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 14,700 (feet/miles) South of Latitude 37° 17' 30" and about 2850' (feet/miles) West of Longitude 82°00.

It is proposed to drill this well to a depth of about 5000 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, P.O. Box 909,
2. Augusta, Georgia 30903
3. Mr. Richard Bolen, Chief Engineer, Jewell Coal & Coke Corp., Vansant, Va.
4. Mr. Guy Richardson, Director of Engineering, Island Creek Coal Co.,
5. Keen Mountain, Virginia
6. _____

Signature of officer or certifying party:

[Signature]
Name
Manager of Operations and Engineering
Title

Very truly yours,

Texas International Petroleum Corp.
Drilling Company or Operator
Valley Square, Suite 1020
Street Address
Charleston, West Virginia
City or Town and State

File BU-163 Date Received 10-11-77 Well No. I.C.-14

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) (REDRILL) (DEEPEN) OIL 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
October 1, 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 Georgia-Pacific Farm, comprising 2117.24 acres, in the South Grundy 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 Company 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 _____ day of _____ 19____.

The proposed well will be known as Well No. I.C. - 14 of Texas International Petroleum Corp. (company, etc.) It is proposed to drill this well to a depth of about 5000 feet.

The proposed location is about 940 feet distant from the nearest property or lease line; about 2500 feet distant from the nearest mining opening, or quarry (strike out words not applicable) and/or about 3900 feet distant from the nearest drilling, abandoned, producing, or applied for (strike out words not applicable) oil or gas (strike out words not applicable) 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 Oil 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 \$ 9,000 is submitted herewith of (give status of) Surety Bond 485 10574 BCA

Correspondence regarding this well should be addressed to Mr. Jim Blanton, Texas International Petroleum Corp., Valley Square, Suite 1020 Charleston, W. Va.

Very truly yours,

Signature of officer or certifying party:

[Signature]
Name
Manager of Operations and Engineering
Title
Texas International Petroleum Corp.
Drilling Company or Operator
Valley Square, Suite 1020
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 10-11- 1977.
Approved and Permit (no. 280) granted on 10-27- 1977
Denied _____
Reasons for denial _____

DIVISION OF MINES AND QUARRIES
By [Signature] Title State Dir. Coal Inspector

File No. BU-163 Well No. I.C. - 14 Permit No. 280

CO-ORDINATES
PROBABLY SHOULD BE 8250' WEST OF 820-00'
BE

(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

DIVISION OF MINES

Well No. I.C. - 14

SOUTH GRUNDY
District

BIG STONE GAP, VIRGINIA

Permit No. 280

GRUNDY
Map

DEEPEMED
OIL AND GAS WELL COMPLETION REPORT
ABANDONMENT

Office No. (643)

BU-103
File

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
↳ RE-PERMITTED TO NRM PETROLEUM CORP.
Farm Georgia Pacific
County Buchanan
Well No. (Company) Island Creek #14

Address Suite 740 - One Valley Square
Charleston, West Virginia 25301
Acres 2117.24
District South Grundy
Elevation (ground surface) 1865 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.)

14,700 feet South of Latitude 37° 17' 30" and
miles
2,850 feet West of Longitude 82°
miles

Surface of tract is owned in fee simple by Georgia Pacific Corporation
Address P. O. Box 909, Augusta, Georgia 30903
Mineral rights are owned by Georgia Pacific Corporation
Address P. O. Box 909, Augusta, Georgia 30903
Location made by Guy Richardson
Drilling commenced 1/31/78 Drilling contractor Appalachian Drilling Company
Drilling completed 2/12/78 Address Charleston, West Virginia 25301

Well completed as gas well on 3/7/78
oil

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 5038 feet. Steel line measurement 5040 feet.
Commenced producing on Shut-in, waiting on pipeline connection, 19

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

After shot on _____ from _____ feet to _____ feet with _____ lbs. qts.
After shot on _____ from _____ feet to _____ feet with _____ lbs. qts.

1st 24 hours _____ bbls.; 2nd 24 hours _____ bbls.

Settled production _____ bbls. per day after producing _____ days weeks

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

Gas Well Gaged 20/10ths. Water in 2 inch.
Initial open flow, gas: _____/10ths. Mercury in _____ inch.
Volume 189M 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.

Rock pressure: Initial 980 lbs.; after 36 hours _____ lbs. days
Settled production _____ cu. ft. per day after producing _____ weeks

Gas pays*at (1) 3942 feet to 3950 feet. Gas shows at (1) None feet to _____ feet.
 (2) _____ feet to _____ feet. (2) _____ feet to _____ feet.
 (3) _____ feet to _____ feet. (3) _____ feet to _____ feet.
 (4) _____ feet to _____ feet. (4) _____ feet to _____ feet.
 Main production 3942 feet to 3950 feet. (5) _____ feet to _____ feet.

Fresh water at (1) None Report ed _____ GPM; (2) _____ feet, _____ GPM; (3) _____ feet, _____ GPM.
 Salt water at (1) None Report ed _____ feet; (2) _____ feet; (3) _____ feet; (4) _____ feet.
 Coal: from 1661 feet _____ inches to 1663 feet _____ inches; from 1774 feet _____ inches to 1784 feet _____ inches; from 1824 feet _____ inches, to 1830 feet _____ inches.
 Well acidized from 3942 feet to 3950 feet with 5000 gal. (quantity) of 15% acid.
 from _____ feet to _____ feet with _____ (quantity) of _____ acid.
 from _____ feet to _____ feet with _____ (quantity) of _____ acid.
 Remarks: Ran gamma ray collar log. Perforated Big Lime 3942 - 3950' 2 SPF, 17 shots.
Loaded hole w/15% CRA. Acidized Big Lime w/5000 gal. 15% CRA. AIR 10 BPM, AIP 2850 PSI, 2 min., 2500 PSI, SICIP - 900 PSI.

CASING AND TUBING				PACKERS		
SIZE	USED IN DRILLING	LEFT IN WELL	PERFORATED	KIND	SIZE	SET AT
(inch)	(feet)	(feet)	(feet) to (feet)		None	
16	20	20				
11-3/4	268	268				
8-5/8	1975	1975				
4-1/2	4053	4053	Perforated @ 3942 - 3950' 17 shots			
				LINERS		
	SIZE	USED IN DRILLING	LEFT IN WELL	PERFORATED		
	(inch)	(ft.)	(ft.)	(ft. to ft.)		
		None				

Casing Cemented: 11-3/4 inch. from Surface feet to 268' Date 2/3/78
8-5/8 inch. from Surface feet to 1975' Date 2/7/78
4-1/2 inch. from 3360 feet to 4053' Date 2/12/78

Remarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes)
Lost circulation @ 213 - 286'; 334 - 498'; 720 - 1040'

Samples or cuttings will be available for examination by a member of the Virginia Geological Survey (Yes) (No)
 Will be furnished the Virginia Geological Survey upon request _____ (Yes) (No), if sacks for same are furnished by the
 Survey _____ (Yes) (No)
 Electrical log made or not made _____ (check which.)
 Copy furnished herewith _____ or will be submitted on or by _____ Logging Company, 19____
 Depths _____

The operator requests that information given herein and log or logs be kept confidential for a period of ninety days after completion of the well covered by this report _____ (Yes) (No)

LOG

Furnished by _____ Date _____

Compiled by _____ Date _____

SAMPLE No.	FORMATION	COLOR	HARD OR SOFT	TOP (feet)	BOTTOM (feet)	THICKNESS (feet)	REMARKS OIL, GAS, WATER DEPTHS SHUT DOWN FISHING, ETC.
Soil				0	15		
Sand				15	38		
Sand & Shale				38	213		
No Circulation				213	286		
Sand & Shale				286	334		
No Circulation				334	498		
Sand & Shale				498	720		
No Circulation				720	1040		
Sand & Shale				1040	1120		
Sand				1120	1218		
R. Rock & Shale				1218	1360		
Sand & Shale				1360	1623		
Sand				1623	1661		
Coal				1661	1663		
Sand & Shale				1663	1774		
Coal				1774	1784		
Sand & Shale				1784	1824		
Coal				1824	1830		
Sand				1830	1857		
Sand & Shale				1857	2120		
Sand				2120	2160		
Sand Shale				2160	2415		
Ravencliff				2415	2495		
Sand & Shale				2495	2550		
Sand				2550	2615		
Sand Shale				2615	2720		
Upper Maxton				2720	2780		
R. Rock Sand & Shale				2780	2926		
Maxton				2926	2997		
R. Rock Sand & Shale				2997	3180		
Lower Maxton				3180	3212		
Sand & Shale				3212	3535		
Little Lime				3535	3640		
Big Lime				3640	4125		
Sand & Shale				4125	4190		
Sand				4190	4210		
Sand & Shale				4210	4261		
Weir Sand				4261	4450		
Shale				4450	4786		
Berea Sand				4786	4811		
Shale				4811	5038	T.D.	

(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

DIVISION OF MINES

Well No. I.C. - 14

SOUTH GRUNDY

District

BIG STONE GAP, VIRGINIA

Permit No. 280

GRUNDY

Map

DEEPENED OIL AND GAS WELL COMPLETION REPORT ABANDONMENT

Office No. (643)

BU-103

File

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
Farm Georgia Pacific PETROLEUM CORP.
County Buchanan
Well No. (Company) Island Creek #14

Address Suite 740 - One Valley Square Charleston, West Virginia 25301
Acres 2117.24
District South Grundy
Elevation (ground surface) 1865 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.)

14,700 feet miles South of Latitude 37° 17' 30" and
2,850 feet miles West of Longitude 82°

Surface of tract is owned in fee simple by Georgia Pacific Corporation
Address P. O. Box 909, Augusta, Georgia 30903
Mineral rights are owned by Georgia Pacific Corporation
Address P. O. Box 909, Augusta, Georgia 30903
Location made by Guy Richardson
Drilling commenced 1/31/78
Drilling completed 2/12/78
Drilling contractor Appalachian Drilling Company
Address Charleston, West Virginia 25301

Well completed as gas well on 3/7/78

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 5038 feet. Steel line measurement 5040 feet.
Commenced producing on Shut-in, waiting on pipeline connection, 19

Oil Well
Initial production, oil: 1st 24 hours N/A bbls.; 2nd 24 hours bbls.
After shot on from feet to feet with lbs. qts.
After shot on from feet to feet with lbs. qts.
1st 24 hours bbls.; 2nd 24 hours bbls.
Settled production bbls. per day after producing days weeks
Gravity and grade of oil
Oil pays at (1) feet to feet. Oil shows at (1) feet to feet.
(2) feet to feet. (2) feet to feet.
(3) feet to feet. (3) feet to feet.
(4) feet to feet. (4) feet to feet.
Main production at feet to feet. (5) feet to feet.

Gas Well
Gaged 20/10ths. Water in 2 inch.
Initial open flow gas: /10ths. Mercury in inch.
Volume 1897 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.
Rock pressure: Initial 980 lbs.; after 36 hours lbs. days weeks

Gas pays at (1) 3942 feet to 3950 feet. Gas shows at (1) None feet to feet.
(2) feet to feet. (2) feet to feet.
(3) feet to feet. (3) feet to feet.
(4) feet to feet. (4) feet to feet.
Main production 3942 feet to 3950 feet. (5) feet to feet.

Fresh water at (1) None Report^{ed} feet, GPM; (2) feet, GPM; (3) feet, GPM.
Salt water at (1) None Report^{ed} feet; (2) feet; (3) feet; (4) feet.
Coal: from 1661 feet inches to 1663 feet inches; from 1774 feet inches to 1784 feet inches; from 1824 feet inches, to 1830 feet inches.

Well acidized from 3942 feet to 3950 feet with 5000 gal (quantity) of 15% acid.
from feet to feet with (quantity) of acid.
from feet to feet with (quantity) of acid.

Remarks: Ran gamma ray collar log. Perforated Big Lime 3942 - 3950' 2 SPF, 17 shots.
Loaded hole w/15% CRA. Acidized Big Lime w/5000 gal. 15% CRA. AIR 10 BPM, WIP 2850 PSI,
2 min., 2500 PSI, SICP - 900 PSI.

CASING AND TUBING				PACKERS		
SIZE	USED IN DRILLING	LEFT IN WELL	PERFORATED	KIND	SIZE	SET AT
(inch)	(feet)	(feet)	(feet) to (feet)		None	
16	20	20				
11-3/4	268	268				
8-5/8	1975	1975				
4-1/2	4053	4053	Perforated @ 3942 - 3950' 17 shots			

Casing Cemented: 11-3/4 inch. from Surface feet to 268' Date 2/3/78
8-5/8 inch. from Surface feet to 1975' Date 2/7/78
4-1/2 inch. from 3360 feet to 4053' Date 2/12/78

Remarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes)
Lost circulation @ 213 - 286'; 334 - 498'; 720 - 1040'

Samples or cuttings will be available for examination by a member of the Virginia Geological Survey (Yes) (No)

Will be furnished the Virginia Geological Survey upon request (Yes) (No), if sacks for same are furnished by the Survey (Yes) (No)

Electrical log made or not made (check which.)
Copy furnished herewith _____ or will be submitted on or by _____ Logging Company _____, 19____
Depths _____

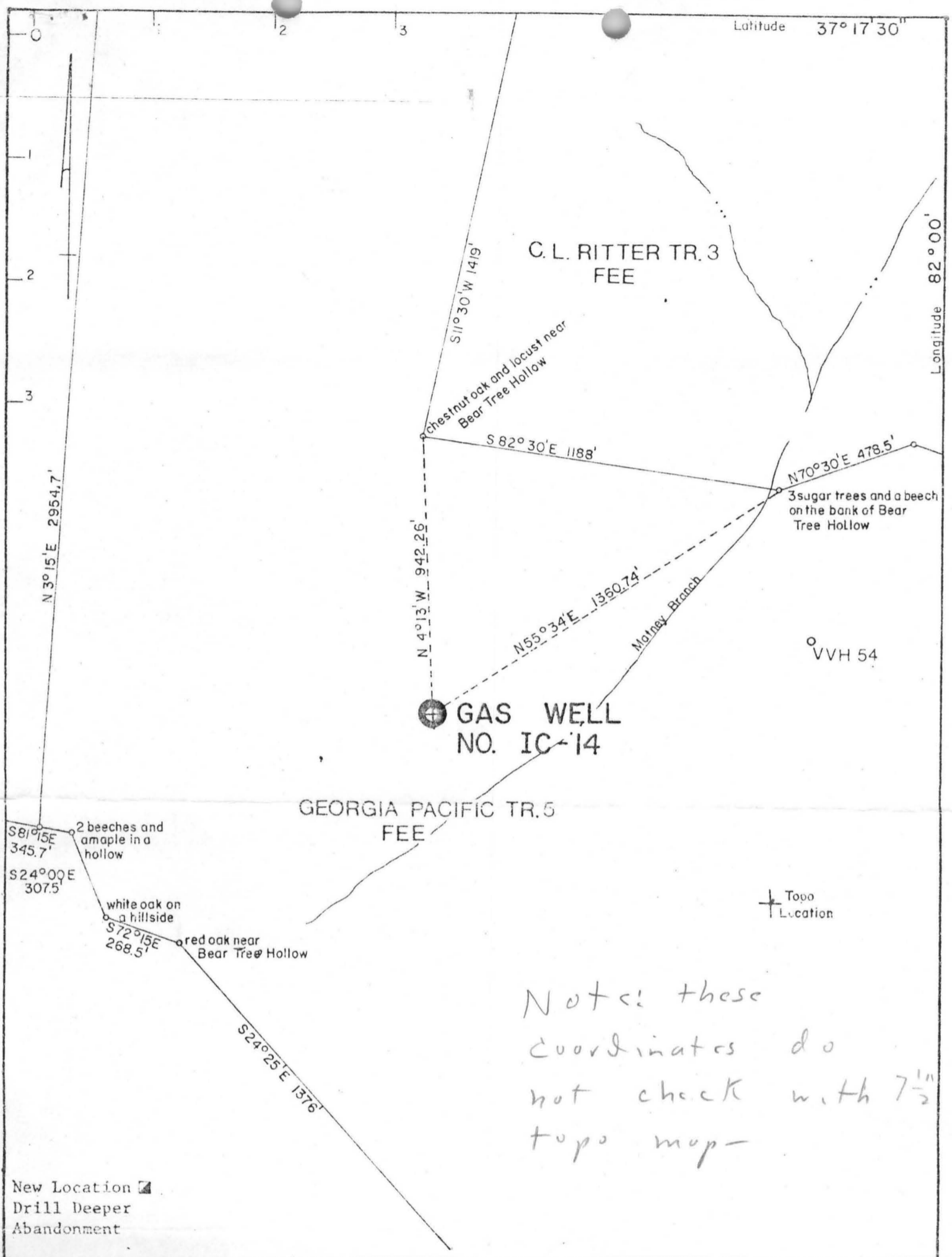
The operator requests that information given herein and log or logs be kept confidential for a period of ninety days after completion of the well covered by this report (Yes) (No)

LOG

Furnished by _____ Date _____

Compiled by _____ Date _____

SAMPLE No.	FORMATION	COLOR	HARD OR SOFT	TOP (feet)	BOTTOM (feet)	THICKNESS (feet)	REMARKS OIL, GAS, WATER DEPTHS SHOT DOWN FISHING, ETC.
Soil				0	15		
Sand				15	38		
Sand & Shale				38	213		
No Circulation				213	286		
Sand & Shale				286	334		
No Circulation				334	498		
Sand & Shale				498	720		
No Circulation				720	1040		
Sand & Shale				1040	1120		
Sand				1120	1218		
R. Rock & Shale				1218	1360		
Sand & Shale				1360	1623		
Sand				1623	1661		
Coal				1661	1663		
Sand & Shale				1663	1774		
Coal				1774	1784		
Sand & Shale				1784	1824		
Coal				1824	1830		
Sand				1830	1857		
Sand & Shale				1857	2120		
Sand				2120	2160		
Sand Shale				2160	2415		
Bevencliff				2415	2495		
Sand				2495	2550		
Sand Shale				2550	2615		
Upper Maxton				2615	2720		
R. Rock Sand & Shale				2720	2780		
Maxton				2780	2926		
R. Rock Sand & Shale				2926	2997		
Lower Maxton				2997	3180		
Sand & Shale				3180	3212		
Little Lime				3212	3535		
Big Lime				3535	3640		
Sand & Shale				3640	4125		
Sand				4125	4190		
Sand & Shale				4190	4210		
Weir Sand				4210	4261		
Shale				4261	4450		
Berea Sand				4450	4786		
Shale				4786	4811		
				4811	5038		T.D.



GAS WELL NO. IC-14

GEORGIA PACIFIC TR. 5 FEE

C. L. RITTER TR. 3 FEE

Notes: these coordinates do not check with 7 1/2" topo map-

New Location
 Drill Deeper
 Abandonment

+ Topo Location

Company <u>Texas International Petroleum Corporation</u>	
Address <u>Charleston, West Virginia</u>	
Farm <u>Georgia Pacific Corporation</u>	
Tract <u>5</u>	Acres <u>2117.24</u> Lease No. _____
Well (Farm) No. <u>IC-14</u>	Serial No. _____
Elevation <u>1865'</u>	
Quadrangle <u>Grundy, Va.</u>	
County <u>Buchanan, Va.</u>	District <u>South Grundy</u>
Engineer _____	
Engineer's Registration No. _____	
File No. _____	Drawing No. _____
Date <u>OCT. 1, 1977</u>	Scale <u>1" = 400'</u>

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

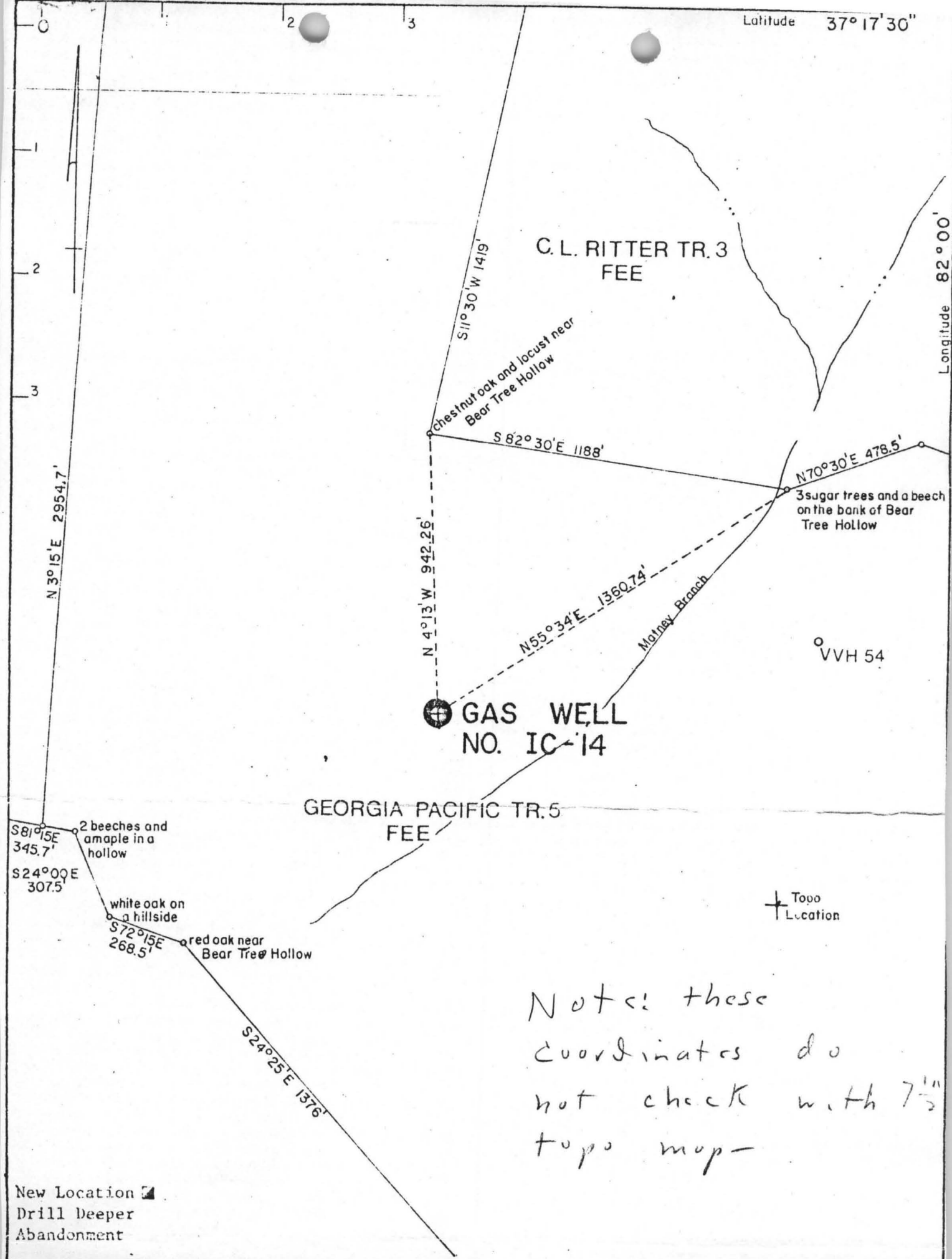
WELL LOCATION MAP

File No. BU-163

PERMIT NO. 280

+ 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.



VVH 54

+ Topo Location

Notes: these coordinates do not check with 7 1/2" topo map-

New Location
Drill Deeper
Abandonment

Company <u>Texas International Petroleum Corporation</u>
Address <u>Charleston, West Virginia</u>
Farm <u>Georgia Pacific Corporation</u>
Tract <u>5</u> Acres <u>2117.24</u> Lease No. _____
Well (Farm) No. <u>IC-14</u> Serial No. _____
Elevation <u>1865'</u>
Quadrangle <u>Grundy, Va.</u>
County <u>Buchanan, Va.</u> District <u>South Grundy</u>
Engineer _____
Engineer's Registration No. _____
File No. _____ Drawing No. _____
Date <u>OCT. 1, 1977</u> Scale <u>1" = 400'</u>

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

WELL LOCATION MAP

File No. BU-163

PERMIT NO. 280

+ 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.

VIRGINIA DIVISION OF MINERAL RESOURCES
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1 of 4 Well Repository No.: W-5166
 Date rec'd Date Processed: 5/31/78 Sample Interval: from 20 to: 5040
 PROPERTY: Georgia-Pacific Corporation Number of samples: 431
 No. IC-14
 COMPANY: Texas International Petroleum Corporation Total Depth: 5040' SLM
 COUNTY: Buchanan Oil or Gas: X Water: Exploratory:

From-To	From-To	From-To	From-To
-	-	500-510	-
-	-	510-520	-
20-30	-	520-530	-
30-40	-	530-540	-
40-50	-	540-550	-
50-60	300-310	550-560	-
-	310-320	560-570	-
70-80	-	570-580	-
80-90	-	580-590	-
90-100	-	590-600	-
100-110	-	600-610	-
110-120	-	610-620	-
120-130	-	620-630	-
130-140	-	630-640	-
140-150	-	640-650	-
150-160	-	650-660	-
160-170	-	660-670	-
170-180	-	670-680	-
180-190	-	680-690	-
190-200	-	690-700	-
200-210	-	-	-
210-220	-	-	-
-	-	-	-
-	-	-	-
-	490-500	-	-

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From-To	From-To	From-To	From-To	From-To
1000-1010	1300-1310	1600-1610	1900-1910	2200-2210
1010-1020	1310-1320	1610-1620	1910-1920	2210-2220
1020-1030	1320-1330	1620-1630	1920-1930	2220-2230
1030-1040	1330-1340	1630-1640	1930-1940	2230-2240
1040-1050	1340-1350	1640-1650	1940-1950	2240-2250
1050-1060	1350-1360	1650-1660	1950-1960	2250-2260
1060-1070	1360-1370	1660-1670	1960-1970	2260-2270
1070-1080	1370-1380	1670-1680	-	2270-2280
1080-1090	1380-1390	1680-1690	1980-1990	2280-2290
1090-1100	-	1690-1700	1990-2000	2290-2300
1100-1110	1400-1410	1700-1710	2000-2010	2300-2310
1110-1120	1410-1420	1710-1720	2010-2020	2310-2320
1120-1130	1420-1430	1720-1730	2020-2030	2320-2330
1130-1140	1430-1440	1730-1740	2030-2040	2330-2340
1140-1150	1440-1450	-	2040-2050	2340-2350
1150-1160	1450-1460	1750-1760	2050-2060	2350-2360
1160-1170	1460-1470	1760-1770	2060-2070	2360-2370
1170-1180	1470-1480	1770-1780	2070-2080	2370-2380
1180-1190	1480-1490	1780-1790	2080-2090	2380-2390
1190-1200	1490-1500	1790-1800	2090-2100	2390-2400
1200-1210	1500-1510	-	2100-2110	2400-2410
1210-1220	1510-1520	1810-1820	2110-2120	2410-2420
1220-1230	1520-1530	1820-1830	2120-2130	2420-2430
1230-1240	1530-1540	1830-1840	2130-2140	2430-2440
1240-1250	1540-1550	1840-1850	2140-2150	2440-2450
1250-1260	1550-1560	1850-1860	2150-2160	2450-2460
1260-1270	1560-1570	1860-1870	2160-2170	2460-2470
1270-1280	1570-1580	1870-1880	2170-2180	2470-2480
1280-1290	1580-1590	1880-1890	2180-2190	2480-2490
1290-1300	1590-1600	1890-1900	2190-2200	2490-2500

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From-To	From-To	From-To	From-To	From-To
2500-2510	2800-2810	3100-3110	3400-3410	3700-3710
2510-2520	2810-2820	3110-3120	3410-3420	3710-3720
2520-2530	-	3120-3130	3420-3430	-
-	2830-2840	3130-3140	3430-3440	3730-3740
2540-2550	2840-2850	3140-3150	3440-3450	3740-3750
2550-2560	2850-2860	-	3450-3460	3750-3760
2560-2570	2860-2870	3160-3170	3460-3470	3760-3770
2570-2580	2870-2880	3170-3180	3470-3480	3770-3780
2580-2590	2880-2890	-	3480-3490	3780-3790
2590-2600	2890-2900	3190-3200	3490-3500	-
2600-2610	2900-2910	3200-3210	3500-3510	3800-3810
2610-2620	2910-2920	3210-3220	3510-3520	-
2620-2630	2920-2930	3220-3230	3520-3530	-
2630-2640	2930-2940	3230-3240	3530-3540	3830-3840
2640-2650	2940-2950	3240-3250	3540-3550	3840-3850
2650-2660	2950-2960	3250-3260	3550-3560	3850-3860
2660-2670	2960-2970	3260-3270	3560-3570	3860-3870
-	2970-2980	3270-3280	3570-3580	3870-3880
2680-2690	2980-2990	3280-3290	3580-3590	3880-3890
2690-2700	2990-3000	3290-3300	3590-3600	3890-3900
-	3000-3010	3300-3310	3600-3610	3900-3910
2710-2720	3010-3020	3310-3320	3610-3620	3910-3920
2720-2730	3020-3030	3320-3330	3620-3630	3920-3930
2730-2740	3030-3040	3330-3340	3630-3640	3930-3940
2740-2750	3040-3050	3340-3350	3640-3650	3940-3950
2750-2760	3050-3060	3350-3360	3650-3660	3950-3960
2760-2770	3060-3070	3360-3370	3660-3670	3960-3970
2770-2780	3070-3080	3370-3380	3670-3680	3970-3980
2780-2790	3080-3090	3380-3390	3680-3690	3980-3990
2790-2800	3090-3100	3390-3400	3690-3700	3990-4000

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From-To	From-To	From-To	From-To	From-To
4000-4010	4300-4310	4600-4610	4900-4910	-
4010-4020	4310-4320	4610-4620	4910-4920	-
4020-4030	4320-4330	4620-4630	4920-4930	-
4030-4040	4330-4340	4630-4640	4930-4940	-
4040-4050	4340-4350	4640-4650	4940-4950	-
4050-4060	4350-4360	4650-4660	4950-4960	-
4060-4070	4360-4370	4660-4670	4960-4970	-
4070-4080	4370-4380	4670-4680	4970-4980	-
4080-4090	4380-4390	4680-4690	4980-4990	-
4090-4100	4390-4400	4690-4700	4990-5000	-
4100-4110	4400-4410	4700-4710	5000-5010	-
4110-4120	4410-4420	4710-4720	5010-5020	-
4120-4130	4420-4430	4720-4730	5020-5030	-
4130-4140	4430-4440	4730-4740	5030-5040	-
4140-4150	4440-4450	4740-4750	-	-
4150-4160	4450-4460	4750-4760	-	-
4160-4170	4460-4470	4760-4770	-	-
4170-4180	4470-4480	4770-4780	-	-
4180-4190	4480-4490	4780-4790	-	-
4190-4200	4490-4500	4790-4800	-	-
4200-4210	4500-4510	4800-4810	-	-
4210-4220	-	4810-4820	-	-
4220-4230	4520-4530	4820-4830	-	-
4230-4240	4530-4540	4830-4840	-	-
4240-4250	4540-4550	4840-4850	-	-
4250-4260	4550-4560	4850-4860	-	-
4260-4270	4560-4570	4860-4870	-	-
4270-4280	4570-4580	4870-4880	-	-
4280-4290	4580-4590	4880-4890	-	-
4290-4300	4590-4600	4890-4900	-	-