

OIL AND GAS WELL
SUMMARY REPORT

API No. 45-169-20786-00-03 VDMR Well Rep. No. _____
DMQ File No. SC-19
Operator EARLY GROVE GAS COMPANY
Farm MEADE
Co. Well No. MEADE #1
County SCOTT Quadrangle MENDOTA 7 1/2'
Location (UTM) N4,055,100; E382,330 UTM Zone 17
(Lat. and Long.) _____
Field EARLY GROVE Province VALLEY AND RIDGE
Elev. (specify) 1541.40' GR TD 4210 Form. at TD PRICE
INITIAL FLOW 96,000 CU. FT Age MISSISSIPPIAN
Date compl. or abandoned NOVEMBER 18, 1985
Result GAS WELL
Gas Shows _____
Gas Pays _____
Main Production _____ Prod. Form. PRICE; LITTLE VALLEY
FINAL FLOW ON NO FLOW TESTS CONDUCTED Age MISSISSIPPIAN
Treatment: PRICE - PERFORATED 3893' TO 3901'

Initial Production _____

Oil shows _____
Water FW YES at 110' TO 1800' at _____ at _____
SW _____ at _____ at _____ at _____

Coal _____

Plat _____ Plotted _____ Completion Report X

Drillers Log X Geologic Log _____

Samples X Interval Sheet X

Sample Interval 50'-4160'

Remarks _____

Geophysical Logs S.P. _____ Res _____ Gamma _____ Neutron _____

Density _____ Sonic _____ Other _____

<u>Formation.</u>	<u>Top.</u>	<u>Datum (Subsea)</u>	<u>Thickness</u>
COVE CREEK	0	+ 1541.40	10
FIDO	10	+ 1531.40	67
GASPER	77	+ 1464.40	1000
STE. GENEVIEVE	1077	+ 464.4	1383
ST. LOUIS	2460	- 918.6	500
LITTLE VALLEY	2960	-1418.6	720
MACCRADY	3680	-2138.6	160
PRICE	3840	-2298.6	370

Remarks

References

Released to Open File: Completion FEBRUARY 16, 1986Samples NO YES

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

(FOR OFFICE USE ONLY) API Well No. 45 - - -
State County Permit

Date: _____, 19__

Operator's Well No. Meade #1

SC-019

VIRGINIA OIL AND GAS INSPECTOR
DEPARTMENT OF LABOR AND INDUSTRY
DIVISION OF MINES
219 Wood Avenue
Big Stone Gap, Virginia 24219-1799
Phone 703-523-0335

WELL PLAT

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

This plat is new updated

This plat is is not based on a mine coordinate system established for the areas of the well location.

Well operator EARLY GROVE GAS CO

Address P.O. BOX 1280 BRISTOL, VA.

Farm RONALD L. DAVID L. MEADE

Tract - Acres 39 Lease No. -

Elevation 1541.40'

Quadrangle MENDOTA

County SCOTT District FULKERSON

Registered Engineer _____ Registration No. _____

Certified Land Surveyor Cert. No. VA #1177

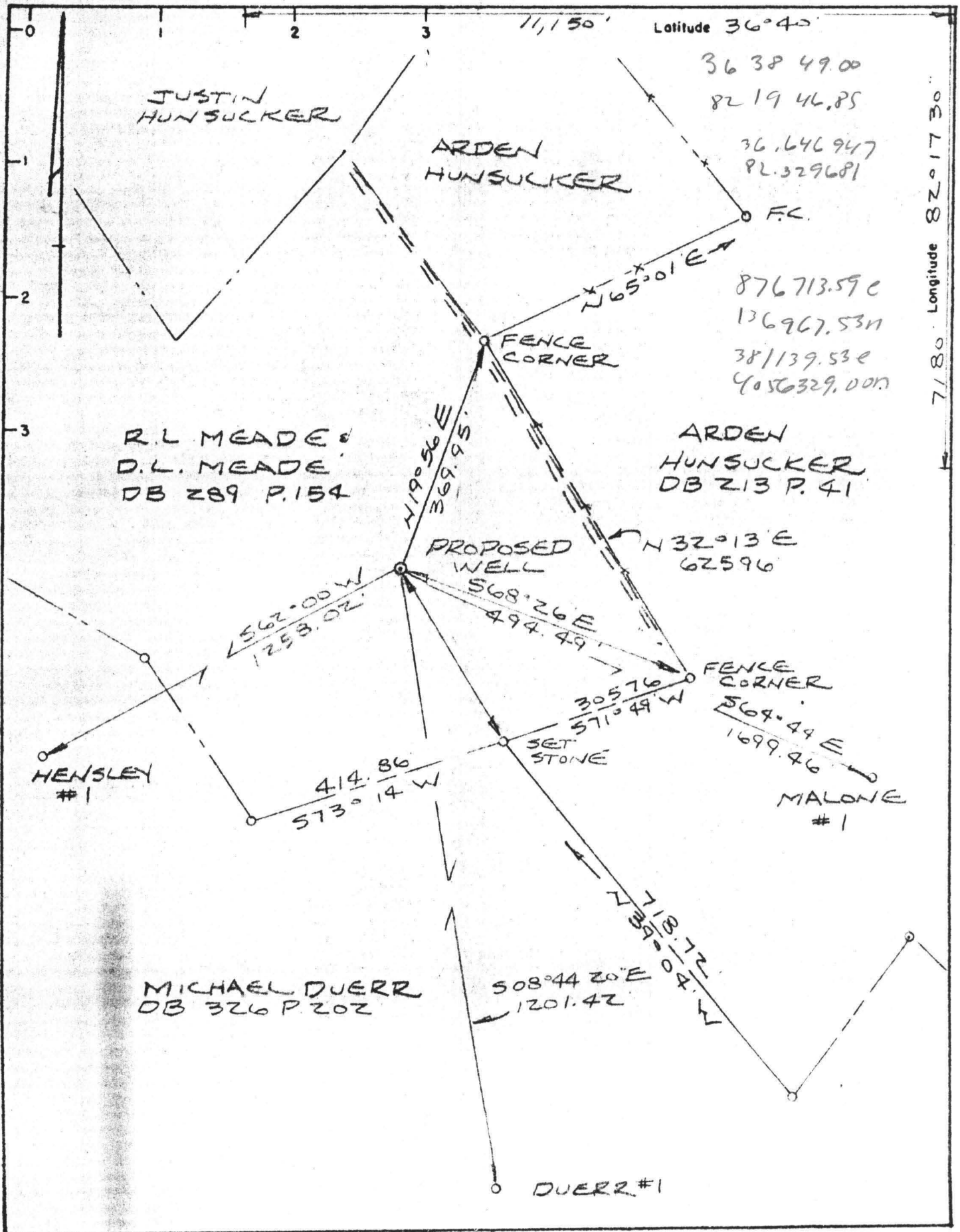
File No. _____ Drawing No. _____

Date 5-15-85 Scale 1" = 200'

Certification of Well Plat

I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief, and shows all the information required by law and the regulations of the Virginia Well Review Board.

Joseph F. Barger, L.S.
Registered Engineer or Certified Land Surveyor
in Charge Joseph F. Barger
54-17-3(A) 1177
COMMONWEALTH OF VIRGINIA
CERTIFIED LAND SURVEYOR



Date: 11-19, 1985

Operator's Well No. Meade #1

EARLY GROVE GAS CO,
MEADE
MEADE #1
SC-19
MENDOTA 7 1/2'
15-41.40' SUR. EL.

VIRGINIA OIL AND GAS CONSERVATION COMMISSION
Virginia Oil and Gas Inspector
Department of Labor and Industry
Oil and Gas Section
205 West Main Street
Abingdon, Virginia 24210
Phone 703-628-8115

NOTICE OF COMPLETION OF A JURISDICTIONAL WELL

Pursuant to Regulation 2.02 of the Regulations under the Virginia Oil and Gas Act, applicable to "each jurisdictional well completed or recompleted...in a pay zone deeper than 3,000 feet from the surface", the undersigned well operator hereby notifies the Commission of the completion of the referenced well, as completion is defined in Regulation 1.02(4), on November 18, 1985, in Fulkerson District, Scott County, Virginia, as follows:

The completion was to perform all those acts which resulted in the well being capable of producing oil or gas.

The well proved to be incapable of commercial production, and was plugged and abandoned.

The undersigned will also file with the Inspector a Report of Completion of Well Work (Form 18) within the time period provided in Regulation 4.06(a).

Other well operators, if any, who have an interest in the well have been mailed a copy of this Notice. The names and addresses of such other operators are typed below.

APPLICANT: Early Grove Gas Company

By William B. Renfro
Its Authorized Agent

Address: P. O. Box 1280, Bristol, VA 24203

Telephone: 703-466-3322

API Well No. 45 - 169 - 20786
State County PermitDate: 11-19, 19 85Operator's
Well No. Meade #1VIRGINIA OIL AND GAS INSPECTOR
DEPARTMENT OF LABOR AND INDUSTRY
OIL AND GAS SECTION
205 W. Main Street
Abingdon, Virginia 24210
Phone 703 628-8115REPORT OF COMPLETION OF WELL WORK

Pursuant to Regulation 4.06 of the Regulations under the Virginia Oil and Gas Act, the undersigned well operator reports completion of the type(s) of well work specified below on the referenced well in Fulkerson District, Scott County, Virginia on 18th day, November Month, 19 85.

WELL TYPE: Oil ___ / Gas X / Enhanced recovery ___ / Waste disposal ___ /
If "Gas", Production X / Underground storage ___ /

Exempt by Code § 45.1-300.B.1 from general oil and gas conservation law: Yes ___ / No ___ /

WELL WORK: Drill X / Deepen ___ / Redrill ___ / Stimulate X /
Plug off old formation ___ / Perforate new formation ___ /
Plug ___ / Replug ___ /
Other physical change in well (specify) _____

The well work was done as shown in the Appendix(es) applicable to the type(s) of well work involved.

CONFIDENTIALITY STATUS UNDER CODE OF VIRGINIA § 45.1-332:

X Ninety days from the filing of this report,

or

 Two years from _____, 19 , the date on which the referenced well was completed, the well being an exploratory well as defined in Code of Virginia § 45.1-288.21.

APPLICANT: Early Grove Gas Company

By William B. Renfro
Its Authorized Agent

Address: P. O. Box 1280, Bristol, VA 24203

Telephone: 703-466-3322

FORM 16
APPENDIX A,
SHEET 1, (OBVERSE)

API WELL NO. 45 - 169 - 20786
State County Permit
Date: 11-19-85
Operator's Well
Name Meade #1

REPORT OF COMPLETION OF WELL WORK
IF DRILLING, REDRILLING, OR DEEPENING IS INVOLVED

DRILLING CONTRACTOR Keen Drilling Company
ADDRESS P. O. Box 565, Keen Mountain, VA 24624
TELEPHONE 703-498-4551

GEOLOGICAL TARGET FORMATION Little Valley Formation and Price Sands
DEPTH OF COMPLETED WELL 4210' Actual FEET,
DATE DRILLING COMMENCED Sept. 23, 1985
DATE DRILLING COMPLETED Oct. 7, 1985
DRILLING RIG: ROTARY X / CABLE TOOL /

GEOLOGICAL DATA	Depth		Thickness
	Top	Bottom	
Fresh Water	110	1800' (estimate)	

Salt water

Coal Seams

Name	MINING IN AREA		
	Yes	No	Mined Out
			X

Oil

Formation

Gas

Formation x
Little Valley
Price Sands

below:

The data on depth of strata is based on the source(s) checked

X Applicant's own drilling experience in the area
 Information supplied by the coal operator in the area
X Information already in possession of the Inspector
X Other (as follows) Interpretations by Bartlett Energy,
Abingdon, VA

OTHER GENERAL INFORMATION

An electric log survey was X / was not ___ / conducted pursuant to Code of Virginia § 45.1-333.B.2, at the coal owner's or operator's request.

An electric log survey was ___ / was not X / run for other purposes. This survey did ___ / did not ___ / disclose the vertical location of a coal seam.

Note: If a coal seam was located, the part of the survey from the surface through the coal is attached in accordance with Code of Virginia § 45.1-333.B.3.

Deviation surveys were ___ / were not X / required under Code of Virginia § 45.1-333.C "to the bottom of the lowest published coal seam depth".

Note: If deviation surveys were required, the survey results are attached.

A continuous survey was ___ / was not X / required under Code of Virginia § 45.1-333.C.

Note: If a continuous directional survey was required, the survey results are attached.

CHANGES IN THE PERMITTED WELL WORK

The well operator did ___ / did not X / make any change(s) in the permitted well work, verbally approved by the Inspector or Assistant Inspector under Regulation 4.03 of the Regulations under the Virginia Oil and Gas Act, for the purpose of insuring successful completion of the well work.

Note: The nature and purpose of each such change, if any, is set out below or on additional sheets if such are required.

CASING AND TUBING PROGRAM

PRELIMINARY INFORMATION

Is the subject well underlaid by the red shales? Yes ___/ No ___/
If "Yes", was a coal protection string set to the red shales? Yes ___/ No ___/

PROGRAM DETAILS

Conductor	Size	Top	Bottom	Length	Perforated	
					From	To
	13"	Surf	30'	30'		
<u>Casing circulated and cemented in to the surface:</u>						
	9 5/8"	Surf	717'	717'		
	7"	Surf	3093'	3093'		
	4 1/2"	Surf	4100'	4100'	3893	3901

Coal protection casing set under the special rule of Code of Virginia § 45.1-334.B:

Other casing and tubing left in the well:

2 3/8" Surf 3888' 3888'

Liners left in well, under Code of Virginia § 45.1-336 or otherwise:

Other casing used in drilling but not left in the well:

Packers or bridge plugs: Kind Size Set At

REMARKS (SHUT DOWN DEPTHS, DATES; FISHING JOB DEPTHS, DATES; CAVING; ETC.)

SAMPLES AND CUTTINGS

will ___/ will not ___/ be available for examination by a member of the
Virginia Geological Survey;
will X/ will not ___/ be furnished the Virginia Geological Survey upon
request;
will ___/ will not ___/ require sacks to be furnished by the Survey.

DRILLER'S LOG

Compiled by Bartlett Energy, Abingdon, VA

<u>Geologic Age</u>	<u>Formation</u>	<u>General Lithology</u>	<u>Color</u>	<u>Depth (feet)</u>		<u>Thickness</u>	<u>Remarks</u>
				<u>Top</u>	<u>Bottom</u>		
Mississippian	Cove Creek	Ls.		Surf	10'	10'	
	Fido	Ss.		10'	77'	67'	
	Gaspar	Ls.		77'	1077'	1000'	
	Ste. Genevieve	Ls.		1077'	2460'	1383'	
	St. Louis	Ls.		2460'	2960'	500'	
	Little Valley	Fm.		2960'	3680'	720'	
	MacCraday	Fm.		3680'	3840'	160'	
	Price	Ss.		3840'	4210'	370'	

(Complete on supplemental sheets as necessary.)

Meade #1

APPENDIX TO REPORT OF COMPLETION OF WELL WORK
ON A WELL DRILLED IN SEARCH OF OIL OR GAS

DISCOVERY OF OIL OR INDICATIONS THEREOF

Indicated potential flow before stimulation N/A BOD
Gravity and grade: _____

DISCOVERY OF GAS OR INDICATIONS THEREOF

Indicated potential flow before stimulation 96 MCFD
Rock pressure: 1250 psig 48 hour test

RECORD OF STIMULATION

Full description of stimulation:

Zone 1: _____ Price _____ Formation _____

Perforated 3893-3901 # Perfs. 12 Perf. Size .38
Breakdown 2600 psig. Avg. Injection 3242 psig.
Avg. I.R. 12.9 BPM Init. S.I.P. 1870 psig 15 Min. S.I.P. 1490 psig

Zone 2: _____ Formation _____

Perforated _____ # Perfs. _____ Perf. Size _____
Breakdown _____ psig. Avg. Injection _____ psig.
Avg. I.R. _____ BPM Init. S.I.P. _____ psig 15 Min. S.I.P. _____ psig

Zone 3: _____ Formation _____

Perforated _____ # Perfs. _____ Perf. Size _____
Breakdown _____ psig. Avg. Injection _____ psig.
Avg. I.R. _____ BPM Init. S.I.P. _____ psig 15 Min. S.I.P. _____ psig

Final production () natural (X) after stimulation

	BOD	MCFD	Hours Tested	Rock Pressure	Hours Tested
Zone 1:	_____	_____	_____	_____	_____
Zone 2:	See below	_____	_____	_____	_____
Zone 3:	_____	_____	_____	_____	_____

Final production if gas zones are comingled: _____ MCFD

_____ hours tested: _____ psig. _____ hours tested

No flow tests were conducted after stimulation of well. Well flow tested into pipeline.

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

INTERVAL SHEET

Page 1 of 2

Well Repository No: 7107

Date rec'd: Date Processed:

Sample Interval: From: 50' To: 4160

PROPERTY: Meade #1

Number of samples: 172

COMPANY: Early Grove Gas Company

Total Depth: 4160

COUNTY: Scott

Oil or Gas Water: Exploratory:

From-To	From-To	From-To	From-To
50-80	960-990	2800-2810	3050-3060
80-110	XXXXX	2810-2820	3060-3070
110-140	2550-2560	2820-2830	3070-3080
140-170	2560-2590	2830-2840	3080-3090
170-200	2590-2600	2840-2850	XXX XXX
200-230	2600-2610	2850-2860	3110-3120
230-260	2610-2620	2860-2870	3120-3130
260-290	2620-2630	2870-2880	3130-3140
290-320	2630-2640	2880-2890	3140-3150
XXXXX	2640-2650	XXX-XXX	3150-3160
350-390	2650-2660	2900-2910	3160-3170
XXXXX	2660-2670	2910-2920	3170-3180
420-450	2670-2680	2920-2930	3180-3190
450-480	2680-2690	2930-2940	3190-3200
480-510	2690-2700	2940-2950	3200-3210
510-540	XXXX-XXXX	2950-2960	3210-3220
XXXXXX	2710-2720	2960-2970	3220-3230
570-600	2720-2730	2970-2980	3230-3240
600-630	2730-2740	2980-2990	3240-3250
630-660	2740-2750	2990-3000	3250-3260
660-690	2750-2760	3000-3010	3260-3270
XXXXX	2760-2770	3010-3020	3270-3280
810-840	2770-2780	3020-3030	3280-3290
XXXXX	2780-2790	3030-3040	3290-3300
930-960	2790-2800	3040-3050	XX-X XX

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

INTERVAL SHEET
 Continued

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Well Repository No.: W- 7107

From-To	From-To	From-To	From-To	From-To
3310-3320	3660-3670	4060-4070	-	-
3320-3330	3670-3680	4070-4080	-	-
3330-3340	3680-3690	4080-4090	-	-
3340-3350	3690-3700	4090-4100	-	-
3350-3360	3700-3710	XX X X X	-	-
3360-3370	3710-3720	4120-4130	-	-
3370-3380	3720-3730	4130-4140	-	-
3380-3390	3730-3740	4140-4150	-	-
3390-3400	3740-3750	4150-4160	-	-
3400-3410	3750-3760	-	-	-
3410-3420	3760-3770	-	-	-
3420-3430	3770-3780	-	-	-
3430-3440	3780-3790	-	-	-
3440-3450	3790-3800	-	-	-
3450-3460	3800-3810	-	-	-
3460-3470	3810-3820	-	-	-
3470-3480	3820-3830	-	-	-
3480-3490	3830-3840	-	-	-
3490-3500	3840-3850	-	-	-
3500-3510	3850-3860	-	-	-
3510-3520	3860-3870	-	-	-
3520-3530	3870-3880	-	-	-
3530-3540	3880-3890	-	-	-
3540-3550	3890-3900	-	-	-
3550-3560	3900-3910	-	-	-
3560-3570	3910-3920	-	-	-
3570-3580	3920-3930	-	-	-
3580-3590	3930-3940	-	-	-
3590-3600	3940-3950	-	-	-
3600-3610	3950-3960	-	-	-
3610-3620	3960-3970	-	-	-
3620-3630	3970-3980	-	-	-
3630-3640	X X X X X	-	-	-
3640-3650	3990-4000	-	-	-
3650-3660	4000-4010	-	-	-
.	4010-4020	-	-	-
-	4020-4030	-	-	-
-	4030-4040	-	-	-
-	4040-4050	-	-	-
-	4050-4060	-	-	-