

C. PROGRESS TO DATE

Region	Province	Sources of Water				Storage					Distribution				Maintenance & Repairs	Water Sampling Stations	REMARKS
		Wells Surface				Cistern		Steel Tanks									
		Hydro-Jet	Cable Tool & Rotary	Shallow Hand-dug	Purification Units	120 m ³	150 m ³	Elevated	11 m ³	4 m ³	Tank Trucks	Pumps/W Pipe	Public Fountain	Well Pipe			
1st	Quang Tri	3		5											135		* Tank trucks are on a loan 3½ months each

Reg	Province	N.J.	W.D.	D.N.	P.N.	MS 120	MS 150	MS 11	MS 4	T.Y.	P.P.	P.F.	W.P.	M.R.	W.S.	Remarks
3rd	Phuoc Long		10	15												
	Phuoc Thanh	24														
	Saigon		1													
	Gia Dinh (197)	4	24			9				2				37		
	Binh Long	1	11											92		
	Bien Hoa	1	7	6										84	1	
	Binh Duong	18	8	70										80		
	Long Khanh	20	10											85		
	Phuoc Tay		11								1	2		36		
	Tay Ninh		4	72										73	1	
	Nam Nghia	3	2	30										16	2	
	Long An					8			4	2	1	5		15	2	1 dist. 200 ³
4th	Binh Thuan		1	6		8			2	2				14	1	
	Bien Hoa			42	1	3			2	2		2			1	
	Vinh Binh		1	10		5				1				6	3	
	Go Cong								2	2					1	
	Chuong Thien				2					1		2			2	
	Phong Binh				1							2			2	
	Bac Lieu		1						4	2					1	
	An Xuyen	1	1						2	1						

Reg	Province	H.J.	W.D.	D.W.	P.U.	M3 120	M3 150	M3 11	M3 4	T.T.	P.P.	P.F.	W.P.	M.R.	W.S.		Remark
4th	Ba Xuyen	1	9			6							192	14	1		
	Vinh Long									1				2	1		
	Kien Giang					1								5	4		
	Kien Tuong			10										4	2		
	Kien Phong														2		
	Chau Doc													9	3		
	An Giang										3			25	3		
	Total completed to date June 30/65	229	128	351	5	41			16	20	7	13	192	837	33		

All wells drilled by GVN after January 1964 to June 30 1965 = 128

Total No. of producing wells completed by Ministry of Public Works from May 1957 to December 1963 = 486

Total No. of wells completed by COMUSMACV for New Rural Life from February 1959 to December 1963 = 967

Total wells drilled by conventional rigs to date June 30, 1965 = 1581

B. WORKING

Work Schedule	FY-1966				US Inputs		Unit	FY-1966			
	June 1965	Dec.	Jan. 1966	July	Commodities			June 1966	Dec.	Jan. 1966	July
<u>Well Drilling</u>	<u>Rigs</u>	<u>Wells</u>	<u>Rigs</u>	<u>Wells</u>	<u>Drilling, Key Commodities</u>			<u>Qty</u>	<u>Cost</u>	<u>Qty</u>	<u>Cost</u>
Hydro-Jet	10	90	10	100	Pipe, API 2" to 8"	000ft		116	268		
Rotary Rigs	9	32	12	60	Screens	ft				5400	130
Cable Tool Rigs	12	24	15	44	Drill Mud	ton				200	20
					Pump (Turbine)	80				80	260
<u>Surface Water</u>											
Bag Wells	no.	150	no.	428	Misc Tools, shop, warehouse, field	var	var		12	var	8
Cisterns	ea	30	ea	30	Trucks, trailers	10	10		60		
Electric Lines	ea	9	ea	15	Accessories & Spare part (Rigs)	var	var		50	var	80
Distribution Pipe	meter	40,000	meter	50,000	Spare-part Equipment Maintenance	var	var		60	var	40
Purification Unit	no.	19	no.	15							
Tank trucks	no.	-	no.	20-40	<u>Surface Water</u>						
Water Quot	sites	38	sites	40	Meters	150	50		10	100	20
Miscellaneous	7	-	-	-	Pumps centrifugal	60	60		20		
<u>Personnel (C/W)</u>	no		no		Plastic Pipe 2", fit & ect	000ft	5		4		
Administrative	15		15		Distribution Pipe & fittings 4to6"	000ft				170	356
Well Drilling	175		175		Hyperchlorinators	ea	50		30		
Surface Water	20		20		Parts & Chemical for Purification	lot	lot		60		
Support (Logistic & Maintenance)	60		60		unit						
					Tank trucks	ea	20		110		
					Total:				684		914
<u>Warehousing</u>							<u>no.</u>	<u>no.</u>	<u>Cost</u>	<u>no.</u>	<u>Cost</u>
OWN Budget	57,000,000\$VN				<u>Participants</u>		6	5	7.5	1	6.5
Personnel	11,200,000\$VN				<u>US Personnel</u>		<u>no.</u>		<u>no.</u>		<u>no.</u>
Material	19,800,000\$VN				Direct hire		13		13		13
Construction	26,000,000\$VN				PASA		2		2		2
					Contract US		7		6		5
					Contract 3rd Country		3		3		2

A. WORK SCHEDULE

1. Well Drilling

Description	FY 1965									FY 1966								
	July Rigs	Sept Wells	Oct. Rigs	Dec. Wells	Jan. Rigs	Mar. Wells	Apr. Rigs	June Wells	Total	July Rigs	Sept Wells	Oct. Rigs	Dec. Wells	Jan. Rigs	Mar. Wells	Apr. Rigs	June Wells	Total
Rigs & wells per quarter																		
Hydrojet	10	76	10	68	5	23	3	5	172	10	45	10	45	10	45	12	55	190
Rotary Rigs	5	9	6	7	6	9	6	9	34	9 ^{1/}	12	12	20	12	30	12	30	92
Cable Tool Rigs	11	25	12	19	11	9	10 ^{2/}	12	65	11 ^{2/}	12	11 ^{2/}	12	15	22	15	22	68
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total per quarter	26	110	27	94	22	41	19	26	271	30	69	33	77	37	97	39	107	350

Notes: 1/ Includes 3 new rigs to be placed in operation, includes 3 home made rigs, but does not include 3 rigs requiring extensive over haul.

2/ 4 rigs require major over haul (2 were seriously damaged by V.C. action during June 1965)

Under normal conditions many more wells would be possible; however, the security situation, budgetary problems, and loss of personnel to the military will probably make it difficult to complete schedule.