STATE OF OREGON

DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

910 State Office Building Portland, OR 97201

WELL SUMMARY REPORT

(In compliance with rules and regulations pursuant to ORS 520)

Northwest Na	tural Gas (Co.	Northwest Natural Gas Co.			IW 23d-3	
(Company or Operator)			(Lease) (Well No.)				
Sec. 3	T6N	5W	Surveyed Coordinate (if directional, BHL & SHL):				
Surface: 299' S & 2475' E from the West 1/4 corner Sec. 11, T6N; R5W BHL: 572'S &42' W at 30							2' W at 3079'
Wilcat:		(or Field Name):	Mist Storag	e	County:	Columbia	
				Signatures		roms	
Date: 1/16/92		Position: Senior Operations Superintendent					
Commended drilling: 10/7/91 Completed drilling: 10/27/91 P & A: no							
Total depth: 3079' MD		Redrill depth:					
Log runs:	DIL, Sonic, Gamma Ray, Neutron Density, Dipmeter, Photon, 4-Arm Caliper, Vertilog						
		Size of	Size of	Wt in lbs.	Grade		Amount of
CASING RECORD		hole	Casing	per ft.	Туре	Depth	Cement
		17 1/2"	13 3/8"	54.5	K-55	684'	530 sx
		12 1/4"	8 5/8"	32	K-55	2715	845 sx
				<u> </u>			
	DI				l Marker(s) Depth		
Plugs		cement f/ 3073'-2828'		Clark & Wilson		2715' (M.D.)	
	Junk	NT / A					
	Junk	N/A		<u> </u>			
	Size of Method of Perforating						
	Casing	From	To	Shot/ft	Jet	Bullet Slotted Line	
Perforations	5 1/2"	2828'	2618'	Dilot/1t	001	Dunct	XX
or Liner							121
			Clean Oil		Percent		
		Date	bbl/day	Gravity	Water	FTP FCP	SITP SICP
Initial Produc	ction						