

# HORIZON

WELL LOGGING

COMPANY: NAHAMA  
WELL: "JR BURGER" JOHNSON #2-10-65  
LOCATION: 1579' N and 1370' E from the SW corner of section 10, T10N, R10W, W4  
ELEVATION: 628.28' G.L. 1638.28' K.B.  
FIELD: "MIST"  
COUNTY: Columbia, Oregon  
API NUMBER: 36-009-00315  
SPUD DATE: 8-29-93 to 8-31-93  
LOGGING DATES: 8-29-93 to 10-4-93  
LOGGING DEPT: Jeff Vaughan  
GEOLOGIST: Rob Larson  
COMPANY MAN: Taylor Drilling Inc.  
CONTRACTOR: Taylor Drilling Inc.  
LOGGING GEOLOGISTS: Dan Cross, Tim Baates  
BIT SIZE: 12.25" to 503  
8.875" to 3044  
CASING: 8.626" to 502'  
CALCULATOR: BU METHANE - 100 SHEETS

DRILL RATE	LITHOLOGY	MINERAL	GASES	CHROMATOGRAPH	REMARKS
ROP			DITCH GAS OFFSCALE CUTTING GAS OFFSCALE	METHANE PROPANE BUTANE PENTANE	DESCRIPTIONS MISC. CHECKS
100K			RO 40 60 80	1000 15000 100K	
<b>ABBREVIATIONS</b>					
CD	Circulate Out	PEBBLES >2mm			
LAT	Logged After Trip	SAND			
LS	Logged After Survey	SANDSTONE			
CG	Connection Gas	SILTSTONE			
KC	Kelly Cut Gas	MUDDSTONE			
MG	Miser Gas	SHALE			
TG	Trsd Gas	MARL			
SG	Survey Gas	CLAY			
WR	Miser Run	CHEERT			
<b>CORE INTERVAL</b>					
NOB (100.000' full scale)					
TRIP					
<b>SYMBOLS</b>					
[Symbol] SAND					
[Symbol] SANDSTONE					
[Symbol] SILTSTONE					
[Symbol] MUDDSTONE					
[Symbol] SHALE					
[Symbol] MARL					
[Symbol] CLAY					
[Symbol] CHEERT					
[Symbol] DOLOSTONE					
[Symbol] LIMESTONE					
[Symbol] VOLCANICS					
[Symbol] TUFF					
[Symbol] BASALT					

WELL LOGGING REPORT