

BOPE Memo

Operator N WANG  
 Well No. LW 330-3 (CONVERSION To om) Sec.     , T.     , R.      DEN  
 Field MIST STORAGE, County COL. CO., On 10-18-90  
 Mr. DAN WARMIGL, representative of the supervisor was present from 12:30 PM  
 to 4:30 PM. There was also present TONY MUELLER, TAYLOR DALG,  
 Casing record of well: 1340 @ 557, JEFF DUYALL, ONGO  
8 5/8 @ 2640

The operations were performed for the purpose of testing ~~the~~ the blowout-prevention equipment and installation.

The blowout-prevention equipment and installation are ~~is~~ approved.

Hole size: 12 1/4 " fr. 0 ' to 2982 ', " to " & " to "

X Installed		Cemented		Tested		Date	Psi	Time
Casing (BOPE Anchor)				Top of Fill				(Min.)
Size	Wt.	Top	Bottom	Date	MD-Depth	Volume	Annulus	Casing
X	TESTED	PER		LW 330-3				SEE REPORT

Blowout Preventers

Types Enumerated		Mfr.-Model	Overhaul	Flange	Clamp	Psi		
Top to Bottom			Date	Bolt	Size	Rating		
X	Annular	HYDRIL					10/18/90	1100 10
X	Pipe rams	DOUBLE					10/18/90	FUNCTION
X	Blind rams	SHAFFER						

Accessories

Type	Psi Rating	Size or Capacity
X Accumulator		
2 Nitrogen bottle		
1 Mud pump		
Standpipe gauge		N.A.
- Check valve		
- Inside BOP		
- Kelly cock		N.A.
Spool		

X Type	Psi Rating	Size or Capacity			
X Choke line			10/18/90	1100	10
X Fill-up line			10/18/90	1100	10
X Kill line			10/18/90	1100	10
X Control lines			10/18/90	1100	10
Rotating head	N.A.	N.A.			
Banjo box & blow line	N.A.	N.A.			
Muffler on blowline	N.A.	N.A.			
X Pressure relief valve			9/17/90	1100	10

Drilling Fluid Program

Type	Weight	Water Loss	Cake	Viscosity	Storage
BENT/KCI	9.5	- 1000 WELLS			

BOPE Control Stations	
Remote:	
Remote:	
Manual:	BY CELLAR

Monitoring Devices	Alarm	
	Yes	No
Calibrated mud pit		/
Mud pit level indicator		/
Gas detector		
Continuous (mud densimeter or ) (temperature recorder)		

NOTE: STORAGE RESERVOIR PRESSURE @ 1040 PSI.