Lease and Well *

LAND INFORMATION

Distance to N	Nearest Lease Line			
No. Acres in	Lease	_		
No. Acres As	signed to Well			
Distance to N	earest Well			
		MUD PRO	GRAM	
Denth	Type	Weight	Remarks	

Depth	Туре	Weight	Remarks
·			
7650-9500	Fresh Water/Cut Brine	9.1	Starch / LCM for seepage as needed, visc. 29-40
·			Flowzan, Barite, BiCarb, Soda Ash, Starch system. Visc. 40
			Chlorides above 90.000 ppm by 8,500'
			Maintain WL of 10 or less below 8800'.

TUBULAR PROGRAM

String	Hole	Denth	.	Casing	141-1-1-1-1	0	Connection		Critical
Туре	Size	Depth	Feet	Diameter	Weight	Grade	Туре	Seamless	Inspectn
Liner	6-1/8"	9500	2700	4-1/2"	11.6			ERW	 Drift
									<u> </u>
					· ·				
									
					······································	· <u></u>			
						·			
				· ·					

Note: Pipe to end up in hole from top to bottom as shown.

CEMENT PROGRAM

String	DV	Stage	Cement	Cement	No	Cement	Cement	Cement
Туре	Depth	Lead/Tail	Bottom	Тор	Sacks	Туре	Yield	Weight
<u> </u>								
								
Liner		Ali	9500	6800	520	50/50 Poz	1.35	14.2
							(175	% Excess)

BOP PROGRAM

Hole Size	Exhibit	Pressure Rating
<u></u> <u>6-1/8"</u>		<u></u>

Remarks:

Install H2S equipment throughout operations. Cisco is Sour Mud Logger from drill out to TD

Prepared By:

B. D. Schaneman

Date: 11/20/2002