

PRELIMINARY DRILLING PROGRAM

MUD PROGRAM			
Depth	Type	Weight	Remarks
1550'	Fresh Water	8.4	Circulate pits or reserves, visc. 28
1550-4700	Brine	10	Circulate reserves, Lime pH 9, visc. 29
4700-4850	Brine	10	Starch for seepage, visc. 31

TUBULAR PROGRAM									
String Type	Hole Size	Depth	Feet	Casing Diameter	Weight	Grade	Connect. Type	ERW/Seamless	Critical Inspectn
Surface	11"	1550'	1550'	8 5/8"	24 #	WC-50	STC	ERW	No
Prod.	7 7/8"	4850'	4850'	5 1/2"	15.5#	WC-50	LTC	ERW	No
Tubing	Prod.	4750'	4750'	2 7/8"	6.5#	WC-50	EUE	ERW	No

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

CEMENT PROGRAM								
String Type	DV Depth	Stage Lead/Tail	Cement Bottom	Cement Top	No Sacks	Cement Type	Cement Yield	Cement Weight
Surface		Lead	1150'	Surface	400	"C"	1.69	13.5
		Tail	1550'	1150'	150	"C"/gel	1.34	14.8
Production		Lead	4550'	Surface	800	35/65po	1.94	12.8
		Tail	4850'	4550'	100	"H"	1.18	15.6

BOP PROGRAM		
Hole Size	Exhibit	Pressure Rating
	See Exhibit C (drill manual)	3M

Remarks: Potential water flows from the Salado at +/- 1700'
Install H2S equipment from 1550' - TD

