

ORYX ENERGY COMPANY
DRILLING PROGRAM

J.A.AKEN # 21

FORMATIONS:	ZONE	DEPTH	REMARKS
	YATES	2413'	POSSIBLE SHOWS
	SEVEN RIVERS	2678'	OBJECTIVE SAND
	QUEEN	3130'	OBJECTIVE SAND
	GRAYBURG	3561'	

FORMATION

EVALUATION: DRILLING TIME BASED ON CONTINUOUS GEOLOGRAPH. LOGS:
DUAL LATERLOG/MSFL/GR/CALIPER TD TO SURFACE CASING.
COMPENSATED NEUTRON/FDC/PE/CALIPER: TD TO 2200'.

MUD PROGRAM: RECOMMENDED VENDOR: M-I DRILLING FLUIDS HOBBS N.M.
PHONE (505) 392-5586

INTERVAL	SYSTEM	MW	VICISOSITY	FLUID LOSS
SURF-500'	FW-GEL-LIME	8.4-9.0	28-40	N/C

SPUD WELL WITH FRESH WATER. SWEEP HOLE AS NECESSARY WITH GEL/
LIME PILLS. DRILL HOLE WITH A NATIVE MUD. CIRCULATE THROUGH
WORKING PITS. DRILL SURFACE HOLE 50' INTO THE RED BED OR +-500'

500'-1100'	FW-NATIVE MUD	8.5-9.0	28-40	N/C
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DRILL OUT FROM UNDER SURFACE WITH FRESH WATER AND CONVERTING
TO NATIVE MUD. THIS TYPE DRILLING FLUID SHOULD BE SUFFICIENT
TO DRILL TO 1100'.

1100'-2500'	BRINE	9.0-10.0	29-30	N/C
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AT 1100' ADD 10# BRINE TO THE MUD SYSTEM TO HELP TO HELP PREVENT
WASHING OF THE SALT SECTION.

2500'-TD	BRINE/SALT GEL/ MY-O-JEL/STARCH	9.5-10.0	30-32	10cc
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MUD UP AT 2500' TO REDUCE FLUID LOSS WITH MY-O-JEL OR STARCH.
THIS DRILLING FLUID WITH ADJUSTMENTS OF WEIGHT AND VISCOSITY
AS DICTATED BY HOLE CONDITIONS WILL BE SUFFICIENT TO DRILL TO
3700'.

NOTE: KEEP A SUPPLY OF LCM ON LOCATION.

SOLIDS CONTROL:

RUN AVAILBLE SOLID CONTROL EQUIPMENT WHEN POSSIBLE TO CONTROL
LOW GRAVITY SOLIDS AND MUD WEIGHT.