

DRILLING RATE IN MIN./FT.				LITHOLOGY		OIL SHOW	DESCRIPTION:
10	20	30	40	LITH	DEPTH	T F G	
					6410		SH blk,rthy,slty,carb incl,lam,frm-brit,calc,w/25% SS LAM lt gy wh,vfgr,sbrnd,w srt w cmt,tt,arg,calc,DULL ORNG FLOR,NO STN,V SL STRMG YEL CUT
							SH AA w/ 20% SS LAM AA DULL ORNG FLOR,NO STN,SL STRMG YEL CUT,mult horz & vert frac
							SH AA w/ 15% SS LAM AA DULL ORNG FLOR,NO STN,SL STRMG YEL CUT,ENGL horz frac
							SH AA w/ 10% SS LAM AA FNT DULL ORNG FLOR,NSOC,2 vert frac,ENGL horz frac
					6420		SH blk,rthy,slty,lam,frm-brit,calc,w/10% SS wh lt gy,vfgr,sbrnd,w srt,w cmt,frm,calc,tt,TR DULL ORNG FLOR,NO STN,TR V SL STRMG YEL CUT,2 vert & 1 horz frac
							SH AA w/25% SS LAM AA NSOF,SL-MOD STRMG YEL CUT,2 vert & 1 horz frac
							SH AA w/30% SS LAM AA,NSOF,MOD STRMG YEL CUT
							SH AA w 40% SS LAM AA,NSOF,SL STRMG YEL CUT,2 hairline frac
					6430		SH AA w/ INOC 20 % SS AA DULL YELL FLOR,NO STN,IMMD STRMG YEL CUT,multi horz frac ENGL vert frac
							SH AA w/ 25% SS AA,DULL YELL FLOR,NO STN,SL STRMG YEL CUT,ENGL horz,mult vert frac
							SH AA w/40% SS AA,TR DULL YELL FLOR,NO STN,SL LT YEL CUT,mult horz & vert frac
							SH AA w/50% SS LAM AA,BRT YEL FLOR,NO STN,MOD STRMG YEL CUT,mult horz & vert frac
							SH AA w/40% SS LAM AA,DULL YELL FLOR,NO STN,SL MLKY YEL CUT,mult horz & vert frac
					6440		SH blk,rthy,slty,lam,w/INOC 30% SS AA
							SH AA w/40% SS LAM DULL YELL FLOR,NO STN,MOD STRMG YEL CUT,mult horz & vert frac
							SH AA w/50% SS LAM,wh lt gy,vfgr,sbrnd,w srt,w cmt,tt,arg,calc,DULL YELL FLOR,NOSTN SL STRMG YEL CUT,mult horz no vert frac
							SH AA w/35% SS AA,DULL YELL FLOR,NO STN,SL MLKY YEL CUT,mult horz & vert frac
					6450		

CONFIDENTIAL

RECEIVED
MAY 04 1989
OIL CON. DIV
DIST. 2

DRILLING RATE IN MIN./FT.				LITHOLOGY		OIL SHOW	DESCRIPTION:
10	20	30	40	LITH	DEPTH	T F G	
					6450		SH blk,rthy,slty,carb,frm-brit,calc,w/25% SS lam,wh,lt gy,vfgr,sbrnd,w srt,w cmt, arg,tt,frm,NSFOC
							SH AA w/15-25% SS lam AA NSOF SL STRMG WH CUT,ENGL horz frac
							SH AA w/10-15% SS lam AA NSOF SL STRMG WH CUT,cont ENGL horz frac
							SH AA w/25% SS lam AA NSOF SL STRMG WH CUT,cont ENGL horz frac
					6460		SH AA w/30-35% SS lam wh gy,vfgr,sbrnd,w srt,w cmt,arg,tt,frm,calc,NSOF SL STRMG WH CUT,end of ENGL horz frac
							SH blk,rthy,slty,lam,frm,calc
							SH blk,rthy,slty,lam,frm,calc,w/INOC
							SH blk,rthy,slty,lam,frm,calc,w/INOC
					6470		SH blk,rthy,slty,grdg to SLTST,frm-brit,w/INOC
							SH AA w/5-10% SS lam wh gy,vfgr,sbrnd,w srt,w cmt,arg,tt,frm,calc,NSOF,WH STRMG CUT
							SH AA w/20% SS lam AA NSOF,SL DUL YEL STRMG CUT
					6480		SH AA w/50% SS lam,NSOF,SL MLKY YEL CUT
							SH AA w/50-70% SS lam,FNT DUL YEL FLOR,NO STN,V SL STRMG YEL CUT,begin 2 horz frac
							SH AA w/30% SS lam AA NSOF,SL STRMG YEL CUT,BENT strng,tan,chlky,sft
					6490		SH AA w/30-40% SS lam AA,DUL YEL FLOR,NO STN,SL STRMG YEL CUT
							SH AA w/20-30% SS lam AA,SCAT DUL YEL FLOR,NO STN,SL STRMG YEL CUT,w/INOC
							SH AA w/20-30% SS lam AA,SCAT DUL YEL FLOR,NO STN,MOD STRMG YEL CUT,begin ENGL horz frac
							SH AA w/30% SS lam AA,SCAT DUL YEL FLOR,NO STN,IMMD STRMG YEL CUT
					6500		SH AA w/70-80% SS wh gy,vfgr,sbrnd,w srt,w cmt,arg,frm-hd,calc,tt,BLDG GAS BUBBLES ON SURF,SCAT DUL YEL FLOR,NO STN,SL STRMG YEL CUT,ENGL horz frac
							SH AA w/90% SS AA BLDG GAS BUBBLES,DULL YEL FLOR,NO STN,IMMD STRMG YEL CUT,cont ENGL horz frac
							SH AA w/60-80% SS AA,BLDG GAS BUBBLES,SCAT DUL YEL FLOR,NO STN,V SL STRMG YEL CUT
					6510		SH AA w/60% SS AA,SCAT DUL YEL FLOR,NO STN,IMMD STRMG YEL CUT

DRILLING RATE IN MIN./FT.				LITHOLOGY		OIL SHOW	DESCRIPTION:
10	20	30	40	LITH	DEPTH	T F G	
					6450		SH blk,rthy,slty,carb,frm-brit,calc,w/25% SS lam,wh,lt gy,vfgr,sbrnd,w srt,w cmt, arg,tt,frm,NSFOC SH AA w/15-25% SS lam AA NSOF SL STRMG WH CUT,snl horz frac SH AA w/10-15% SS lam AA NSOF SL STRMG WH CUT,cont snl horz frac SH AA w/25% SS lam AA NSOF SL STRMG WH CUT,cont snl horz frac
					6460		SH AA w/30-35% SS lam wh gy,vfgr,sbrnd,w srt,w cmt,arg,tt,frm,calc,NSOF SL STRMG WH CUT,end of snl horz frac SH blk,rthy,slty,lam,frm,calc SH blk,rthy,slty,lam,frm,calc,w/INOC SH blk,rthy,slty,lam,frm,calc,w/INOC SH blk,rthy,slty grdg to SLTST,frm-brit,w/INOC SH AA w/5-10% SS lam wh gy,vfgr,sbrnd,w srt,w cmt,arg,tt,frm,calc,NSOF,WH STRMG CUT SH AA w/20% SS lam AA NSOF,SL DUL YEL STRMG CUT
					6480		SH AA w/50% SS lam,NSOF,SL MLKY YEL CUT SH AA w/50-70% SS lam,FNT DUL YEL FLOR,NO STN,V SL STRMG YEL CUT,begin 2 horz fracs SH AA w/30% SS lam AA NSOF,SL STRMG YEL CUT,BENT strng,tan,chlky,sft
					6490		SH AA w/30-40% SS lam AA,DUL YEL FLOR,NO STN,SL STRMG YEL CUT SH AA w/20-30% SS lam AA,SCAT DUL YEL FLOR,NO STN,SL STRMG YEL CUT,w/INOC SH AA w/20-30% SS lam AA,SCAT DUL YEL FLOR,NO STN,MOD STRMG YEL CUT,begin snl horz frac SH AA w/30% SS lam AA,SCAT DULL YEL FLOR,NO STN,IMMD STRMG YEL CUT
					6500		SH AA w/70-80% SS wh gy,vfgr,sbrnd,w srt,w cmt,arg,frm-hd,calc,tt,BLDG GAS BUBBLES ON SURF,SCAT DUL YEL FLOR,NO STN,SL STRMG YEL CUT,snl horz frac SH AA w/90% SS AA BLDG GAS BUBBLES,DULL YEL FLOR,NO STN,IMMD STRMG YEL CUT,cont snl horz frac SH AA w/60-80% SS AA,BLDG GAS BUBBLES,SCAT DULL YEL FLOR,NO STN,V SL STRMG YEL CUT
					6510		SH AA w/60% SS AA,SCAT DULL YEL FLOR,NO STN,IMMD STRMG YEL CUT

DRILLING RATE IN MIN./FT.				LITHOLOGY		OIL SHOW	DESCRIPTION:
10	20	30	40	LITH	DEPTH	T F G	
					6510		SS gy lt gy wh,vf-fgr,sbrnd,w srt,w cmt,arg,carb incl,tt,frm-hd,calc,w/occ SH lam TR SCAT DULL FLOR,NO STN,SL STRMG YEL CUT, snl horz frac SS AA TR SCAT DULL YEL FLOR,MOD STRMG YEL CUT,snl hairline horz frac SS AA w/SH lam,blk,rthy,slty,frm,calc,SCAT DULL YEL FLOR,MOD-IMMD STRMG YEL CUT SH AA w/50% SS lam AA,SCAT DULL YEL FLOR,SL MLKY YEL CUT,snl horz frac SH AA w/60% SS lam AA,DULL YEL FLOR,NO STN,SL STRMG YEL CUT,no fracs
					6520		SH blk,rthy,slty,mic & carb incl,frm,calc,w/40-50% SS lam AA DULL YEL FLOR,NO STN, SL STRMG YEL CUT,no fracs SH blk,rthy,slty,lam,carb incl,frm,calc,w/20% SS lam,TR DULL YEL FLOR,SL STRMG YEL CUT SLTST blk dk gy,arg,carb incl,snly,frm-hd,calc,w/20% SS lam,SCAT DULL YEL FLOR, SL-M STRMG YEL CUT SH grdg to SLTST w/60% SS lam,vfgr,sbrnd,w srt,w cmt,tt,arg,calc,SCAT DULL YEL FLOR,V SL STRMG YEL CUT,hairline horz fracs SH AA w/30-40% SS lam,SCAT DULL YEL FLOR,NO STN,SL STRMG YEL CUT,no fracs SH grdg to SLTST blk,carb incl,frm-hd,calc,w/10-20% SS lam,SCAT DULL YEL FLOR, SL-IMMD STRMG YEL CUT,no fracs
					6540		SH decr SLTST AA w/10% SS lam,SCAT DULL YEL FLOR,NO STN,V SL-SL STRMG YEL CUT SS wh lt gy,vf-fgr,sbrnd,w srt,w cmt,arg,tt,frm,calc,w/ occ SH strng,DULL YEL FLOR NO STN,SL STRMG YEL CUT,no fracs SS AA occ SH strng,SCAT DULL-BRT YEL FLOR,SO DK BRN STN,STRMG YEL CUT,no fracs
					6550		SH AA w/60% SS lam,SCAT DULL YEL FLOR,SO DK BRN STN,IMMD STRMG YEL CUT,snl hairline horz frac SS wh gy,vf-fgr,sbrnd,w srt,w cmt,arg,frm-hd,tt,calc,w/30% SH lam AA,SCAT DUL-BRT YEL FLOR,SO DK BRN STN,SL STRMG YEL CUT,hairline horz frac SLTST blk,arg,snly,carb incl,frm-hd,calc,w/ 10% SS lam AA,NSOF,V SL STRMG YEL CUT foss,no fracs SH blk,rthy,slty,grdg to SLTST,frm,calc,TR INOC,NSOF,WK RES YEL CUT SLTST blk,dk gy,arg,snly,carb incl,frm,calc,NSOF,V SL STRMG YEL CUT SH grdg to SLTST AA NSOF,WK RES YEL CUT
					6560		SLTST blk,arg,snly,carb incl,frm-hd,calc,NSOF,V SL STRMG YEL CUT
					6570		SLTST AA SCAT DULL YEL FLOR,NO STN,V SL STRMG YEL CUT,TR INOC

