

Hole No. 52-4

Coordinates _____

Type Drill _____

Bit Size _____

Sheet No. 1A

Date Started _____

Date Completed _____

PHILLIPS PETROLEUM CO.

Collar Elevation _____

Total Footage _____

Overall Core Recovery _____

Logged By Beall

GEOLOGIC LOG

FROM	TO	FT. OF CORE	BOX	ROCK DESCRIPTION, ALTERATION AND REMARKS	METALLIZATION				SECTION DEPTH	
3500	3508	1		Basalt, v. fresh, fine grnd, black.						
3508	3511	2		Basalt, AA but brecciated						
3511	3517	2		Andesite, lt. pinkish-grey, phenos of white plagioclase & /or Hornblende						
3517	3526.5	3		AA						
3526.5	3535	4		Basalt, Aphanitic, black, v. fresh, Modi broken up						
3535	3543	5		AA						
3543	3552	6		AA						
3552	3562	7		AA						
3562	3572	8		AA but very broken up, thin indur/ash bed 3572-73						
3572	3582.5	9		Basalt/Andes, porph w/ abd. white plag phenos, less common pyrox/Hb phenos						
3582.5	3592.5	10		AA						
3592.5	3602	11		AA						
3602	3610	12		AA						
3610	3619	13		AA						
3619	3628	14		AA (lighter colored w/ more abund pyrox/Hb phenos)						
3628	3636	15		AA						
3636	3644	16		AA						
3644	3646	16		Basalt, fresh, fine grained, black						
3646	3654.5	17		AA						
3654	3663	18		AA						
3663	3663	18		Andesite, porphyritic - POSS inclusion of above unit						
3663	3672	19		Breccia - Andesite fragments in basalt matrix						
3672	3681.5	20		Basalt/Andes, porph w/ Abd plag and pyrox phenos						
3681.5	3690.5	21		AA						

esite

Basalt

Basalt Breccia

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Sheet No. 2A

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GEOLOGIC LOG

100% PYRITIC DMS/Andes

Sill
And
Dike

FROM	TO	FT. OF CORE	TYPE LOG	ROCK DESCRIPTION, ALTERATION AND REMARKS	METALLIZATION			SECTION DEPTH	
3690.5	3699.5	22		AA					
3699.5	3709.5	23		AA					
3709.5	3718	24		AA					
3718	3727.5	25		AA					
3727	3736	26		AA					
3736	3746	27		AA					
3746	3754.5	29		AA					
3754.5	3764.5	29		AA					
3764.5	3773.5	30		AA					
3773.5	3774	31		AA					
3774	3777	31		Basalt, dk-brick red, poss intrusive sill					
3777	3782	31		Porph Andesite, Abund. plag + pyrox/holden phenos in lt to dk grey g-mass					
3782	3785	32		Breccia - porph andes (AA) frags in brick red matrix					
3785	3788	32		Basaltic dike - high L contact, fine grnd black					
3788	3791	32		Porph Andes, plag + pyrox/holden phenos, badly broken up - Altered					
3791	3800	33		AA (less broken up)					
3800	3809.5	34		AA w/green chlorite on fract surfaces					
3809.5	3818	35		AA					
3818	3827	36		AA w/rel more alteration or ashy zones - mod broken up					
3827	3837	37		Porphyritic Andesite, dk red to dk green, brecciated zones, chlorite on fracture surf's.					
3837	3846	38		AA - sharp contact w/basalt dike at 3845', High L cont.					
3846	3855	39		Basalt, black, fine grained, fresh					
3855	3856	40		AA - high L cont (45°)					

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Sheet No. 3A

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GEOLOGIC LOG

FROM	TO	FT. OF CORE	TYPE LOG	ROCK DESCRIPTION, ALTERATION AND REMARKS	METALLIZATION				SECTION DEPTH
3856	3864		40	Porphyritic Andesite - dk grey to dk greyish-purple. Abund. phenocrysts of plag. Mod altered + brecciated					
3864	3874		41	AA					
3874	3882		42	AA - grading to basalt, black, fine grained, fresh					
3882	3891.5		43	AA					
3891.5	3900		44	AA					
3900	3909		45	AA porphyritic w/ white plag phenos					
3909	3918		46	AA					
3918	3928		47	AA					
3928	3939		48	AA					
3938	3948		49	AA w/ 2 ft dk red-brown, hard clay -					
3948	3958		50	AA, Fresh basalt w/ abund white plag phenos					
3958	3967		51	AA					
3967	3979		52	AA					
3979	3987.5		53						
3987.5	3996.5		54	AA					
3996.5	4000		55	AA					