

APPENDIX. 6.

SIDEWALL CORE. DESCRIPTION.

PINE LODGE -1

101034

SIDEWALL CORE DESCRIPTION

WELL NAME : PINE LODGE - 1

PAGE 1 OF 8

DATE : 30-8-1990

ł				
NO.	INTERVAL (m)	REC. (Cm)	DESCRIPTION	SHOW
1	2135.0	2.0	CLAYSTONE, light-med. grey, soft-firm dispersive in part, mod. silty in part, trcom. carb. det., rare very fine partially altered feld., non calcareous.	NIL
2	2121.5	2.5	COAL, dark-very dark brown to black, firm, rarely arg., earthy in part. Coal has no fluor. but give initially mod. becoming modfast radiating mod. bright greenish white cut fluor. and very fast crush cut.	NIL
3	2109	1.0	CLAYSTONE as per S.W.C. No.1	NIL
4	2095	0	NO RECOVERY	-
5	2091.0	1.5	SILTSTONE, dark-very dark grey, firm- hard, blocky, mod argillaceous in part, trace fine lithics.	NIL
6	2087	2.0	SILTSTONE, as per S.W.C. No.5 with calcite vein, off white with mineral fluor.	NIL
7	2076.5	2.5	SILTSTONE, meddk. grey, firm-hard, blocky, dispersive in part. com. arg. rare lithics, rare fine quartz sand grains. Trrare carb. det. rarely micaceous, in part grading to silty claystone.	NIL
8	2072.0	2.5	SANDSTONE, as per S.W.C. No.7.	NIL

SIDEWALL CORE DESCRIPTION

WELL NAME : PINE LODGE - 1

PAGE 2 OF 8

DATE : 30-8-1990

	OLOHOUTE	-		
ΝΟ.	INTERVAL (m)	REC. (Cm)	DESCRIPTION	SHOW
9	2064.5	2.5	SANDSTONE, light-med. grey, v.fmed., dom. fine, mod. sorted, SA-SR, dom. SA quartz, tr. meddk. grey lithics, com. lt. grey, disp. arg. mtx., com. weak calc. cmt., fair vis. porosity.	Mineral fluor. from cement
10	2059.0	2.0	SANDSTONE, lt. grey, lt. brn. gry. v. fine-fine, dom. v. fine, fairly sorted, SA-SR quartz, tr. lithics, rare fine mica, rare carb. det. Trcom. lt. grey mtx., rare v. weak calc. cmt. friable, poor-fair vis. porosity.	NIL ,
11	2055.5	1.5	CLAYSTONE, lt. gry. to occ. v. lt. gry. occ. mod. silty, rarely carb. non. calc. soft, sticky in part dispersive.	NIL
12	2052.5	2.0	CLAYSTONE, meddk. gry., in part mod. silty. Trcom. fmed. grained quartz sand grains, rare lithics, rare carb. det. non calc. soft, occ. firm, sticky in part, in part dispersive.	NIL
13	2045.0	2.0	CLAYSTONE, dk. gry. rarely silty, Tr. f. mica, rare carb. det. hard, firm blocky, in part soft and dispersive.	NIL
14	2041.0	2.5	CLAYSTONE, meddk. gry., mod. silty in part rare glauconite, rare v. f. lithics, non carb. firm, blocky in part.	NIL
15	2030.0	2.0	CLAYSTONE, as per S.W.C. 14, in part meddk. brn. gry.	NIL

SIDEWALL CORE DESCRIPTION

WELL NAME : PINE LODGE - 1

PAGE 3 OF 8

DATE : 30-8-1990

1				
ŅО.	INTERVAL (m)	REC. (Cm)	DESCRIPTION	SHOW
16	2024.0	0.5	CLAYSTONE, dk. gry., rarely silty in part, tr. f. lithics, rare glauconite, rare v.f. quartz grains, rare carb., non calc. hard - v. hard, blocky.	NIL
17	2014.0	2.0	SILTSTONE, med. gry, ltmed. brn. gry. com. argillaceous, slightly-mod. carb. rarely micaceous, v. rare partially altered feld, slightly calc. firm, blocky in part disp. in part grading to silty claystone.	NIL .
18	2007.0	0.5	SILTSTONE, med. brn. gry., mottled, rare-slightly arg., com. carb. det., Trcom mica flecks, tr. multi-col. lithics, non calc. hdv. hd., blocky.	NIL
19	1969.0	2.5	SANDSTONE, lt. brn. gry. v.f-f., fairwell sorted, SA-SR quartz, v. rare lithics. Tr. off white arg. mtx. Tr. silt. good vis. porosity.	NIL
20	1961.5	2.0	SANDSTONE, as per S.W.C. 19	NIL
21	1931.0	2.0	CLAYSTONE, meddk. gry. med. brn. gry. mod. silty, rare carb., rare v.f. mica, non calc., firm-hard, in part dispersive.	NIL
22	1898.0	2.5	CLAYSTONE, ltmed. brn. gry., rarely carbonaceous and micaceous, firm, disp. in part, blocky in part.	NIL

SIDEWALL CORE DESCRIPTION

WELL NAME : PINE LODGE - 1

PAGE 4 OF 8

DATE :

30-8-1990

١					
	NO.	INTERVAL (m)	REC. (Cm)	DESCRIPTION	WOHZ
	23	1886.5	1.5	SILTSTONE, meddk. gry., slightly argillaceous, trrare carb. det., rare lithics, rare mica, rare glauconite, non calc., firm-hard, v.hd. in part, blocky.	NIL
	24	1874.0	0	NO RECOVERY	
	25	1868	0.5	SANDSTONE, off white to occ. v. lt. gry. v.ff., fairly sorted, SA-SR quartz, v. rare fine off white-v. lt. gry. lithics, com. off white Kaolinitic arg. mtx., disp., v. rare v. weak calc. cmt., friable, fair occ. good vis. porosity. (The core was partically invaded by mud filtrate).	NIL
	26	1860.0	0	NO RECOVERY	
	27	1815.0	2.0	SILTSTONE, med. gry., v. finely carb., rare v.f. mica flecks, rarely-med. argillaceous, non calc. soft-firm, occ. hard, disp. in part, occ. blocky in part.	NIL
	28	1787.0	2.0	CLAYSTONE, meddk. gry. med-dk. brn. gry., rarely silty, rare Tr. glauconite rare extremely f. carb. det. non calc., firm-hard, blocky in part.	NIL
	29	1709.0	2.0	SANDTONE, v. lt. gry., occ. ltmed. gry. laminac, v.f. silt. size in part, well sorted. SA-SR quartz, rare carb. det., rare f. mica flecks, rare to non arg. mtx. firm, friable in part, fair vis. porosity.	NIL

SIDEWALL CORE DESCRIPTION

WELL NAME : PINE LODGE - 1

PAGE 5 OF 8

DATE : 30-8-1990

	(FOLUGI2	1 .	A. IADASSI	
NO.	INTERVAL (m)	REC. (Cm)	DESCRIPTION	SHOW
30	1624.0	2.5	SILTSTONE, ltmed. gry. mod. carb. tr. f. mica flecks, rare lithics, rare glauconite, non calc. med. to commonly argillaceous. In part grading to SILTY CLAYSTONE firm-hard. In part dispersive.	NIL
31	1400.0	2.5	SANDSTONE, v. lt. gry. v.ff., fairly sorted, SA-SR, quartz, silty in part, tr. lt. green lithics, rare mica and carb. det. Trcom v. lt. gry. arg. mtx., friable-firm, fair vis. porosity, interbedded with; CLAYSTONE, ltmed. brn. gry. slightly silty, soft-firm, in part blocky.	NIL
32	1376.0	3.0	SANDSTONE, lt. gry. to lt. brn. gry. v.ff. dom. v.f., silt size in part, fairly sorted. SA-SR quartz, rare lt. green and med. gry. lithics, v. rare mica and carb. det., rare arg. mtx. friable, occ. firm inter-laminated with minor CLAYSTONE, med. gry., silty in part, rare carb. streaks, non calc., soft in part dispersive.	NIL
33	1300.0	3.5	SILTY SANDSTONE, ltmed. gry, v.f. to silt size in part grading to SILTSTONE, fairly sorted, SA-SR quartz, tr. carb det., rare mica, rare arg. mtx. friable, in part firm, poor vis. porosity.	NIL
34	1123.5	1.5	SILTSTONE, med. brn. gry., commonly arg. Tr. mica, rare carb. det. firm, in part dispersive interlaminated with minor SILTY SANDSTONE/SILTSTONE as per SEC 33.	NIL

SIDEWALL CORE DESCRIPTION

WELL NAME : PINE LODGE - 1

PAGE 6 of 8

DATE : 30-8-1990

ОМ	INTERVAL (M)	REC. (Cm)	DESCRIPTION	SHOW
35	1087.5	2.5	SANDSTONE, clear-off white to v. lt. gry. v.ff., well sorted, SA-SR quartz, tr. mica, tr. carb. det., no apparent matrix, friable, firm in part., fair-good vis. porosity interlaminated with CLAYSTONE, dark gry. slightly silty, tr. carb. det. soft interlaminated with COAL, black, in part arg., in part silty soft grading into carbonaceous claystone.	NIL
36	1085.0	0	NO RECOVERY	
37	1081.5	2.0	CONGLOMERATIC SANDSTONE v. dk. gryblack, spots of off white where quartz pebble are shattered. Fpebble size pebbles are poorly sorted, rounded-well rounded. Fmed. particles are angular (possibly the product of crushed pebbles). MedC. grains are SA-SR, quartz. Trcom. cryptocrystalline pyrite. Tr. silvery colour pyrite (possibly pyrotite?) Tr. dk. gry. lithics of various size. Most pebbles are fractured filled with cryptocrystalline pyrite. Abd. v. dk. gryblack arg. mtx. (with metallic shine in places) firm-hard, friable in few spots, v. poor-no vis. porosity. NOTE: The orientation grain shape, fractured nature as well as direction of fractures may be indicative of a several post depositional Tectonic activity.	

SIDEWALL CORE DESCRIPTION

WELL NAME :

PINE LODGE - 1

PAGE 7 OF 8

DATE :

30-8-1990

NO.	INTERVAL (m)	REC. (Cm)	DESCRIPTION	SHOW
38	1079.5	2.5	CLAYEY CONGOLOMERATIC SANDSTONE As per S.W.C. 37	NIL
39	1077.0	3.5	CLAYEY CONGLOMERATIC SANDSTONE As per S.W.C. 37 with decrease in pebble size and number.	NIL
			NOTE - When HCI(10%) is added to arg. mtx. of SWC 37, 38 and 39, abundant v.f. metallic particles (possibly of sulfide groups are clearly visible a petrological study (including SEM) recommended on these 3 cores the low GR valve in these 3 cores could be due to presence of non radio active clay matrix.	NIL
40	1072.0	0	NO RECOVERY	
41	1068.0	2.0	SANDSTONE, meddk. brownish-greenish gry. fpebble size, dom. C-pebble, very poorly sorted. SA-R quartz and a variety of lithics and iron. Quartz grains are clear, frosty and iron stained. Lithics are med. brown, dk. green, dk. gry., beige, dark green gry. The crumbly portion is medbrownish grey, disp. arg. mtx. The grained portion are very strongly bonded by a ground mass of mtx./cmt. med-dk. dirty grey, v. hard to extremely hard, crumbly and brittle, no vis. porosity.	NIL
			NOTE A similar petrological study is also recommended.	·

SIDEWALL CORE DESCRIPTION

WELL NAME :

PINE LODGE - 1

PAGE 8 OF 8

DATE

30-8-1990

NO.	INTERVAL (m)	REC.	DESCRIPTION	SHOW
42	1060.0	2.5	SANDSTONE, generally as per S.W.C. 41, in places firm to hard. No. vis. porosity.	NIL
43	1048.0	3.5	SANDSTONE, generally as per S.W.C. 41 with firm groundmass matrix, poor-no vis. porosity.	NIL .
44	1039.5	3.0	SANDSTONE, generally as per S.W.C. 4 with firm ground mass/mtx., partially limonitic.	NIL
45	1030.0	3.5	CLAYSTONE, ltmed. gry., dk. gry. in in part, rarely carb., rarely micaceous, rare lithics firm, hard, blocky.	NIL
46	925.0	0	NO RECOVERY	
47	750.0	3.5	SILTSTONE, lt. gry., sandy in part grading into v.f. SANDSTONE rarely arg., firm, in part dispersive interlaminated with CLAYSTONE, medbrownish gry., rarely carbonaceous and micaceous, rarely silty, firm in part dispersive.	NIL
48	506.0	0	NO RECOVERY	