

# COMPOSITE WELL LOG SHELL DEVELOPMENT (AUSTRALIA) PTY. LTD. HAWKESDALE NO. 1

PETROLEUM TENEMENT : PEP 5 - SHELL - FROME BROKEN HILL

STATE : VICTORIA

PORTLAND 1:250,000 SJ-54/11

OTWAY BASIN

WELL STATUS : DRY AND  
PLUGGED & ABANDONED



LOCATION : 38°04'53" S 303.840 yds. N  
142°17'54" E 524.580 yds. E } A.T.M. BELT 6  
ELEVATION: D.F. 12' ABOVE GROUND LEVEL  
GROUND LEVEL 444' ABOVE M.S.L.

DATE SPODDED : 2nd DECEMBER, 1969  
DATE T.D. REACHED : 28th DECEMBER, 1969  
DATE RIG RELEASED : 30th DECEMBER, 1969  
TOTAL DEPTH, DRILLER : 5-820  
ALL DEPTHS BELOW DERRICK FLOOR

HOLE SIZE : INCHES FROM TO  
17 1/2 SURFACE 406  
12 1/4 " 1,235'  
8 3/4 " " 5,820' (T.D.)

CASING : SIZE WEIGHT GRADE DEPTH CEMENT CEMENTED TO  
13 3/8" 48 lbs./ft. H-40 390' 150 sacks 180' (ESTIMATED)  
9 5/8" 36 " J-55 1221' 500 " SURFACE

CEMENT PLUGS : FROM TO CEMENT  
2,950' 2,750' 120 sacks  
1,350' 900' 120 sacks  
200' 0' 120 sacks

DRILLED BY : BREWSTER N-4  
DRILLING METHOD : ROTARY  
MUDLOGGING BY : DATA ANALYSIS  
LOGGED BY : SCHLUMBERGER  
CEMENTED BY : HALLIBURTON

RUN NO.	INDUCTION - ELECTRIC LOG		BHC-SONIC CALIPER - GAMMA RAY LOG	COMP. FORM DENS - GAMMA RAY LOG	CONTINUOUS DIP METER
	1	2			
DATE	13-12-69	28-12-69	28-12-69	13-12-69	28-12-69
DEPTH DRILLER	3860'	5820'	5820'	3860'	5820'
DEPTH LOGGER	3839'	5811'	5811'	3839'	5811'
FOOTAGE LOGGED	2616'	2210'	4578'	1438'	4584'
Bit Log Interval	3838'	5810'	5800'	3838'	5806'
Top Log Interval	1222'	3600'	1222'	2400'	1222'
Casing Driller	9 5/8" at 1221'	9 5/8" at 1221'	9 5/8" at 1221'	9 5/8" at 1221'	9 5/8" at 1221'
Casing Logger	1228'	1222'	1222'	1222'	1222'
Bit Size	8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"
Type Fluid in Hole	Fresh water Q' brosin	Fresh water Q' brosin 6% Diesel oil	Fresh water Q' brosin 6% Diesel oil	Fresh water Q' brosin	Fresh water Q' brosin 6% Diesel oil
Dens Visc	9.3 40	10.2 59	10.2 59	9.3 40	10.2 59
PH Fluid loss	9.3 14ml	9.7 7ml	9.7 7ml	9.3 14ml	-
Rm. of Meas. Temp.	2.26 at 90°F	2.37 at 54°F	2.37 at 54°F	2.26 at 90°F	2.37 at 54°F
Rmf. of Meas. Temp.	2.00 at 64°F	1.71 at 62°F	1.71 at 62°F	2.00 at 64°F	-
Rmc. of Meas. Temp.	2.93 at 64°F	2.68 at 58°F	2.68 at 58°F	2.93 at 64°F	-
RM at BHT	1.6 at 64°F	.82 at 163°F	2.37 at 54°F	1.45 at 136°F	-
Time since circ.	3 hrs.	-	9 hrs.	136°F	175°F
Max. Rec. Temp.	136°F	163°F	163°F	136°F	175°F
Recorded by	M. Kervella I. Marchom	M. Kervella N. Affleck	M. Kervella N. Affleck	M. Kervella I. Marchom	M. Kervella N. Affleck
Witnessed by	J. Veemema J. Poll	J. Veemema J. Poll	J. Veemema J. Poll	J. Veemema J. Poll	J. Veemema J. Poll

### LITHOLOGY

- SANDSTONE SAND
- SILTSTONE SILT
- SHALE CLAY
- MARL
- LIMESTONE
- COAL
- TUFF
- VOLCANIC (Ba=basalt)
- IGNEOUS DIKE
- FOLDED METASEDIMENT
- SANDSTONE - SAND
- SILTSTONE - SILT
- SHALE - CLAYSTONE
- LIMESTONE
- CONGLOMERATIC
- SANDY
- SILTY
- ARGILLACEOUS
- MARLY
- CALCAREOUS
- COALY, CARBONEOUS
- INTERBEDS (70% CLAY / 30% SAND)
- WEATHERED VOLCANICS

### WELL SYMBOLS

- CORE, INTERVAL, RECOVERY, NUMBER
- SIDEWALL CORE RECOVERED
- SIDEWALL CORE NOT RECOVERED
- CASING SHOE, CEMENTED, DIAMETER, DEPTH, SACKS OF CEMENT.
- HOLE PLUGGED BACK TO 900' 29th DECEMBER 1969
- HOLE BRIDGED AT 1350' 29th DECEMBER 1969
- B.P. BRIDGE PLUG

### FOSSILS

- SHELL DEBRIS OR BIOCLASTS
- ECHINOIDS
- BRYOZOA
- FORAMINIFERA IN GENERAL
- LAMELLIBRANCHS
- CRINOIDS
- CORALS
- SPOROMORPHS
- PLANT REMAINS

### CARBONATE TEXTURES

- COARSE GRAINED WACKSTONE
- " " " PACKSTONE
- " " " GRAINSTONE

(Y), (w) BRACKETS APPLIED TO A SYMBOL MEANS "LOW PERCENT", "OCCASIONAL", "RARE" OR "APPROXIMATE"

### CLASTIC COMPOSITION

- Q QUARTZ CLASTS, FINE GRAINED (L) SUBLITHIC CLASTS, MEDIUM TO COARSE GRAINED
- Q MEDIUM TO COARSE GRAINED (F) FELDSPATHIC, FINE GRAINED
- L LITHIC, FINE GRAINED (F) MEDIUM TO COARSE GRAINED
- L MEDIUM TO COARSE GRAINED (F) SUBFELDSPATHIC, FINE GRAINED
- (L) SUBLITHIC, FINE GRAINED (F) MEDIUM TO COARSE GRAINED

