COMPOSITE WELL LOG

ALLIANCE OIL DEVELOPMENT AUSTRALIA N.L.

ALLIANCE CAROLINE No. 1

PETROLEUM TENEMENT: O.E.L. 22 STATE: SOUTH AUSTRALIA 4-MILE SHEET: PENOLA BASIN: OTWAY

WELL STATUS: COMPLETED AS CO_2 WELL

LOCATION: 37° 56' 30" Latitude
140° 54' 30" Longitude
ELEVATION: Reference Pt Ground 107'
K.B. 123.3'

Date Spudded* 14 November, 1966
Date Drilling Stopped: 29 January, 1967
Date Rig Released: 21 February, 1967
Total Depth: Driller 11,061' K.B.
Logger 11,060 K.B.

* Surface hole (16 - 510' K.B.) drilled with percussion rig
Percussion hole spudded 2 Sep.1966; rig released 18 Oct., 66

Hole Size	Inches	From	To
	22	16'	165'
	18	165'	510'
	17½	510'	761'
	12¼	761'	3150'
	8⅜	3150'	11,051'
	7⅞	11,051'	11,061'

Casing

Inches	Wt	Gr	Depth	Cmt	Cmt'd to
19½"	Conductor Pipe		163'	—	—
13⅜"	48 lb	H-40	740' K.B.	700 sacks	Surface
9⅝"	36 "	J-55	3149' "	480 "	1950' K.B.
5½"	17 "	J-55 & No.80	9400' "	640 "	7726' "

Tubing

2⅞"	4.7 lb	J-55	8136 K.B.

Cement Plugs	From	To	Sacks
	9401'	9550'	73

Perforations	Interval	Shots/ft
	8204 - 8210'	4
	8214 - 8230'	4
	9152 - 9172'	4
	9303 - 9321'	4

Drilled by: Oil Drilling & Exploration
Drilling Method: Rotary
Cemented by: Halliburton Limited
Logged by: Schlumberger Seaco Inc. & Welex
Lithology by: M. LeBlanc, G. Compe, J. Gausden
Drafting by: Geodrafting Services

OTHER SURVEYS

Microlog - Caliper
Run 1 742 - 6007'
Run 2 6007 - 9412'
Run 3 - M.L. 8000 - 8500
& 9000 - 11,045'
Cal. 7000 - 11,045'

Sonic - Gamma Ray
Run 1 S.L. 742 - 6001
G.R. 20 - 5980
Run 2 S.L. 6001 - 9404
G.R. 5980 - 9385
Run 3 S.L. 9404 - 11,038'
G.R. 9385 - 11,019

Continuous Diameter Survey
Run 1 742 - 6003
Run 2 6003 - 10,795'

Temperature Log (Welex)
Run 1 30 - 65?'

Cement Bond Log
Run 1 40 - 74?'

Microseismogram - Cement Bond -

Gamma Collar Log (Welex)
Run 1 7300 - 9235'

Velocity Survey (2 runs)

INDUCTION ELECTRICAL LOG DATA

RUN NUMBER	1	2	3	4
Date	1 - 12 - 66	7 - 12 - 66	9 - 1 - 67	29 - 1 - 67
First Reading	3989'	6006'	9411'	11059'
Last Reading	742'	3989'	6006'	9411'
Interval Measured	3247'	2017'	3405'	1648'
Casing Schlumberger	742'	742'	3150'	3150'
Casing Driller	745'	745'	3149'	3149'
Depth Reached	3990'	6007'	9412'	11060'
Bottom Driller	3990'	6016'	9440'	11061'
Mud Nature	Gel	Gel	Gel	Gel
Density / Viscosity	9·4 / 37	9·5 / 50	10·2 / 50	10·2 / 64
Mud Resistivity	2·96 @ 65°F	2·15 @ 80°F	1·5 @ 80°F	2·2 @ 60°F
Mud Resistivity BHT	1·65 @ 120°F	1·35 @ 135°F	0·65 @ 187°F	0·69 @ 195°F
Rmf	2·46 @ 67°F	2·17 @ 69°F	1·4 @ 75°F	1·8 @ 60°F
Rmc	3·94 @ 65°F	3·5 @ 69°F	0·8 @ 187°F	0·8 @ 195°F
pH / Fluid Loss cc / 30 min	10 / 4	9 / 5	9 / 4·6	9·5 / 5·2
Origin of Sample	Flow Line	Flow Line	Flow Line	Flow Line
Bit Size	8¾ to T.D.	8¾ to T.D.	8¾ to T.D.	8¾ to T.D.
Casing Size	13⅜"	13⅜"	9⅝"	9⅝"
Opr. Rig Time	4 hours	2 hours	4 hours	4 hours
Truck Number	4522	4522	4522	4522
Recorded by	Greau	Greau	Greau	Greau
Witness	LeBlanc, Stuart	Rainer, LeBlanc	Rainer, LeBlanc	Rainer, LeBlanc

WELL SYMBOLS

- Core interval, recovery and number
- Formation test interval and number
- Plugged interval
- Casing shoe
- Perforated interval
- Base production packer
- Circulation loss complete
- Gas show slight
- Fl Fluorescence
- Gas cut mud

LITHOLOGIC REFERENCE

- Pebbly sandstone
- Granular sandstone
- Sandstone
- Siltstone
- Shale, claystone, mudstone
- Limestone
- Dolomite
- Coal
- Marl
- No sample
- Argillaceous
- Sandy
- Silty
- Calcareous
- Dolomitic
- Micaceous
- Pyritic
- Glauconitic
- Cherty
- Bentonitic
- Siliceous
- Lithic
- Carbonaceous
- Ferruginous
- Feldspathic
- Kaolinitic
- Chloritic
- Sideritic

FOSSILS
CARBONATE CONSTITUENTS

- Bryozoa
- Lithic carbonate fragments (includes calcisiltite, calcirudite)
- Oolites
- Plant
- Fossiliferous (fragmental or indeterminate)