

COMPANY: Western Underground Gas Storage

WELL: IONA #3
FIELD: IONA
RIG: OD&E #30 **COUNTRY: AUSTRALIA**

GR-CCL TCP correlation SCALE 1:200

COBE #	03	Flow Basin	ELW: K.E. 134.98 M
CONTRACT #	03	Chewy Basin	ELW: G.L. 130.0 M
LOCATION	IONA #3	Western Underground Gas Storage	ELW: D.L. 134.89 M
Company	Western Underground Gas Storage	Log Measured From	MSL
LOG Measured From	MSL	Drilling Measured From	MSL
Drilling Measured From	MSL	Max Well Deviation	136.0 M above True Datum
STATE	WA	Longitude	N/A
VIC/OZMA	17 APR 1999	Latitude	N/A
Run Number	1	Expanded Chart Top	17 APR 1999
Depth Driller	1459 M	Radial Deviation	1
Bottom Depth	1459 M	Schulmberger Depth	1
Top Log Interval	1150 M	Depth Driller	1459 M
Changing Fluid Type	Brine	Top Log Interval	1150 M
Density	1.01 G/CC3	Changing Fluid Type	Brine
Fluid Level	12.250 N	Fluid Level	12.250 N
BIT CEMENTING STRING	461 M	BIT CEMENTING STRING	461 M
From	6.425 M	From	6.425 M
To	40.150 M	To	40.150 M
Casing Length Size	40.150 M	Casing Length Size	40.150 M
Grade	1300 M	Grade	1300 M
From	1459 M	From	1459 M
Maximum Recorded Temperature	17.74 (17-1989)	Maximum Recorded Temperature	17.74 (17-1989)
Loggit On Bottom	13.0 (1989)	Loggit On Bottom	13.0 (1989)
Perforated By	MR. E. Venter	Perforated By	MR. E. Venter
Witnessed By		Witnessed By	

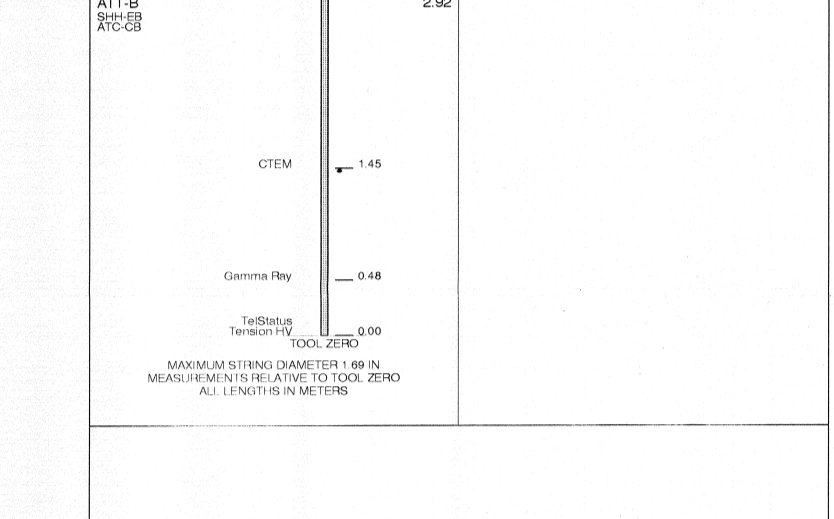
Run 1	Run 2	Run 3	Run 4
Q1 Density			
Q2 Density			
Q3 Density			
Q4 Density			
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Q100 Density			

ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS AND WE SHALL NOT BE RESPONSIBLE FOR ANY LOSS, COSTS, DAMAGES OR EXPENSES INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. THESE INTERPRETATIONS ARE ALSO SUBJECT TO CLAUSE 4 OF OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.

OTHER SERVICES1
 OS1: PEX(HALS)-OS1
 OS2: CHECKSHOT SURVEY
 OS3: CBLVDL-GR-CCL
 OS4:
 OS5:
 REMARKS: RUN NUMBER 1
 Log correlated to PEVALS(D) OS1 logged on 13-Apr-1999 on IONA#3.
 Log recorded for correlation of pip tag for TCP zone interval 1365.5m-1377.5m
 Performance performed with 7 TCP guns 12spf 51J charges HMX
 Pip tag at 1323.6 m
 Pip tag to top shot = 44.41m
 Guns to be moved up 1.5m to be on depth

Service Order #	Program Version	Fluid Level	Logged Interval	Start	Stop
RUN 1	8C1-205				
RUN 2					

EQUIPMENT DESCRIPTION



DLIS Name	New Value	Previous Value	Depth & Time
CCLT	10 V	0.3 V	1283.5 20:39:17

Output DLIS Files

DEFAULT ATTB_053 FN:21 FIELD 17-Apr-1999 20:32 1339.0 M 1148.3 M

OP System Version: 8C1-205

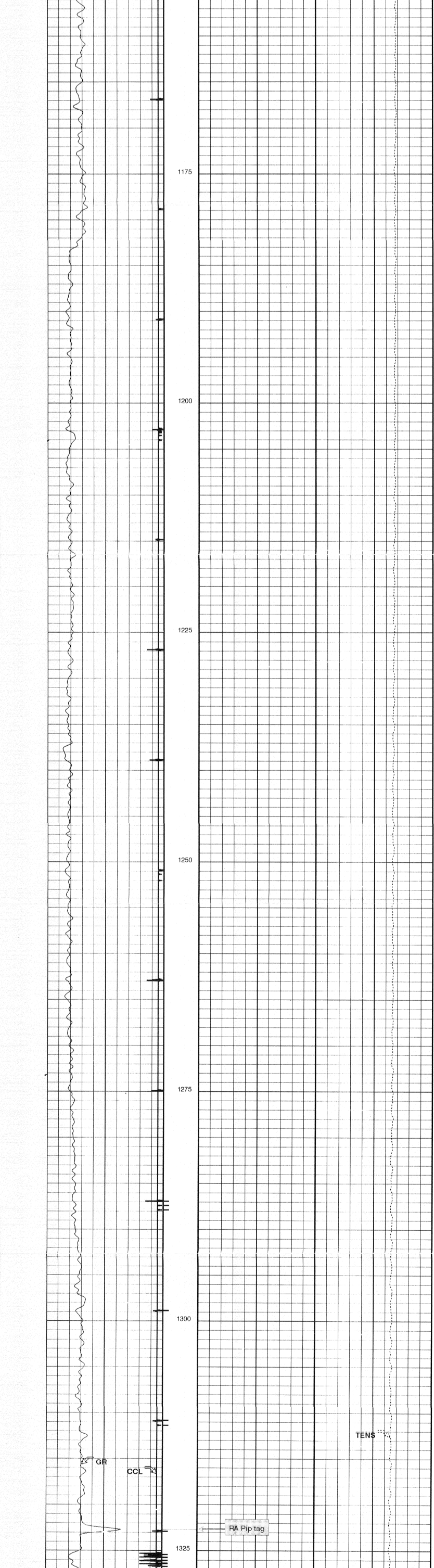
ATT-B APCW-98Q3 CAL-U APCW-98Q3

Changed Parameter Summary

Format: Correlation Vertical Scale: 1:200 Graphics File Created: 17-Apr-1999 20:32

PIP SUMMARY

Casing Collars



Parameters

DLIS Name	Description	Value
CCLD	CCL reset delay	12 IN
CCLT	CCL detection level	0.3 V

OP System Version: 8C1-205 MCM

ATT-B APCW-98Q3 CAL-U APCW-98Q3

Output DLIS Files

DEFAULT ATTB_053 FN:21 FIELD 17-Apr-1999 20:32

COMPANY:	Western Underground Gas Storage	BOTTOM LOG INTERVAL	1339 M
WELL:	IONA #3	COLLAR LOCATOR DEPTH	1452 M
FIELD:	IONA	DEPTH DRILLER	1459 M
RIG:	OD&E #30	KELLY BRUSHES	134.98 M
COUNTRY:	AUSTRALIA	DRILL FLOOR	134.88 M
		GROUND LEVEL	130 M

GR-CCL TCP correlation SCALE 1:200

Schlumberger