HALLIBURTON

DRILLING PARAMETER LOG

WELL: CONAN-1

DEPT. NAT. RES & ENV
PE600550

COMPANY	: BHP Petroleum	SPUD DATE	: 24-07-95
RIG	: OCEAN BOUNTY	TD DATE	: 31-07-95
AREA	: VIC/P31	TD DRILLER	: 1985 m (1985 m TVD)
COUNTRY	: AUSTRALIA	TD WIRELINE	: m (m TVD)
LOCATION	: 38 Deg 52' 14.95" South 142 Deg 46' 52.22" East	LOGGED FROM	: Mudline @ 95 m
ELEVATION	: Air Gap 25.00 m (RT-MSL) Water Depth 70.00 m (MSL-SB)	LOGGED TO	: TD @ 1985 m
DEPTH REF.	: ROTARY TABLE	STATUS	: PLUGGED AND ABANDONED

WELL CONFIGURATION

BIT SIZE in	HOLE DEPTH m	CASING SIZE in	SHOE DEPTH m
26	142	20	140
17 1/2	1208	13 3/8	1200
12 1/4	1985		

LOGGING ENGINEERS

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LOGGING UNIT No.182

DEPTH SCALE

1:500

SYMBOLS

⧅	NEW BIT RUN
⧖	NEW CORE BIT RUN
◢	CASING SHOE
◣	LINER HANGER
▼	CROSS-OVER
►	SIDEWALL CORE
▷	SWC Not Recovered
①	CORED INTERVAL Core #
☒	Not Recovered
↯	WIRELINE LOGS RUN
	RFT POINTS
←	Pressure Only
←●	Sample
←	Seal Failure
←□	Tight
▯	NO SHOW
◧	WEAK SHOW
◨	FAIR SHOW
■	GOOD SHOW

ABBREVIATIONS

NB	NEW BIT	DS	DIRECTIONAL SURVEY
NCB	NEW CORE BIT	WT	WIPER TRIP
RRB	RE-RUN BIT	POH	PULL OUT OF HOLE
CS	CASING SHOE	RIH	RUN IN TO HOLE
SWC	SIDEWALL CORES	WOW	WAIT ON WEATHER
EL	ELECTRIC LOG	LAT	LOGGED AFTER TRIP
WOB	WEIGHT ON BIT	LCM	LOST CIRCULATION MATERIAL
RPM	REVS PER MINUTE	DC	DEPTH CORRECTION
PP	PUMP PRESSURE	DST	DRILL STEM TEST
SPM	STROKES PER MINUTE	RMG	REAMING
CR	CIRCULATED RETURNS	ML	MUD LOSSES
PR	POOR RETURNS	FR	FLOW RATE
NR	NO RETURNS	FC	FLOW CHECK
TG	TRIP GAS	BR	BIT RUN
CG	CONNECTION GAS		
WTG	WIPER TRIP GAS		

MUD DATA

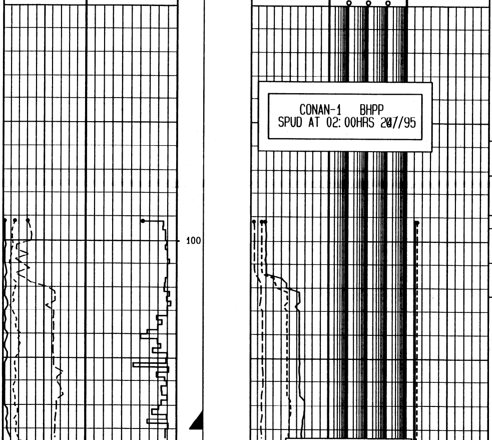
W	WEIGHT	kg/L
MG	MUD GRADIENT	psi/kft
V	FUNNEL VISCOSITY	s/qt
PV	PLASTIC VISCOSITY	cP
YP	YIELD POINT	lb/cf2
GEL	GEL STRENGTH	lb/cf2
pH	ACIDITY	
F	FILTRATE	ml/30m
CK	CAKE THICKNESS	in/32
S	SALINITY	mg/L
SD	SAND CONTENT	%
O	OIL CONTENT	%
WL	WATER LOSS	ml/30m
SOL	SOLIDS CONTENT	%
pF	FILTRATE ALKALINITY	c3/c3
GYP	GYPSUM CONTENT	kg/m3

▨	ANHYDRITE	▨	CALCARENITE	▨	CHERT	▨	DOL. LIMESTONE	▨	HALITE
▨	BASALT	▨	CALCILUTITE	▨	CLAYSTONE	▨	DOL. CALCARENITE	▨	INTERBEDDED CALC. CLAYSTONE AND MARL
▨	BRECCIA	▨	CALCISILTITE	■	COAL	▨	DOLERITE	▨	LIMESTONE
▨	CALC. CLAYSTONE	▨	CEMENT	▨	CONGLOMERATE	▨	DOLOMITE	▨	MARL
▨	SANDSTONE	▨	SHALE	●	GLAUCONITIC	●	FORAMINIFERA		
▨	SANDSTONE (MED)	▨	SILTSTONE	●	BIVALVE	●	GASTROPODA		
▨	SANDSTONE (CRS)	x	RECRYSTALLISED	●	RADIOLARITES	●	INOCERAMUS		
▨	SANDSTONE (V. CRS)	▨	FELDSPATHIC	●	BRYOZOA	●	PLANT REMAINS		

0 WOB klbf 50	200 ROP m/hr 0	DEPTH MD m 1m = 500m	LITH	0 SPM 300	0.001 TOTAL GAS % 10	1 MW IN kg/L 1.5
0 RPM 300		SHOES/HANGERS		0 SPP psi 5000	0.001 CON GAS % 10	1 MW OUT kg/L 1.5
0 TORQUE Amps 500				0 MF IN g/min 2000	0.001 CON GAS % 10 x x x	1 ECD kg/L 1.5
					0.001 TRIP GAS % 10	
					0.001 TRIP GAS % 10 o o o	

COMMENTS

inc azi
TVD

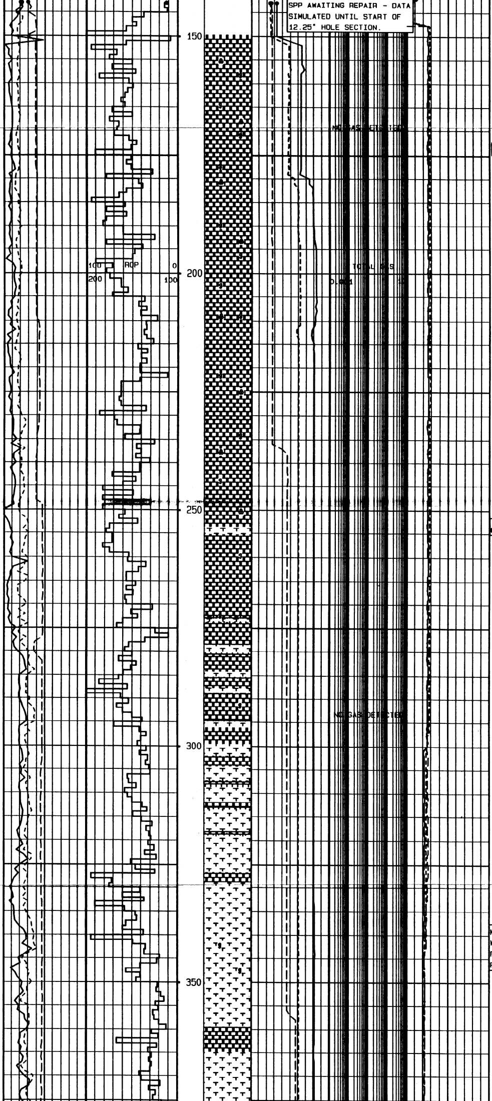


HOLE DRILLED WITH
26" BIT/36" HOLE OPENER TO 142m.
30"/20" CASING - 20" SHOE @ 140m

MUD LINE @ 95m

DRILLED WITH SPUD MUD -
SEA WATER WITH HIGH VIS SWEEPS
RETURNS TO SEABED

BR1 26"
STC S35V
JETS: 3x28
IN: 95m
OUT: 142m
MTG: 47m
HRS: 2.3
COND: 0/0/BC
A/0/1/BC/TD



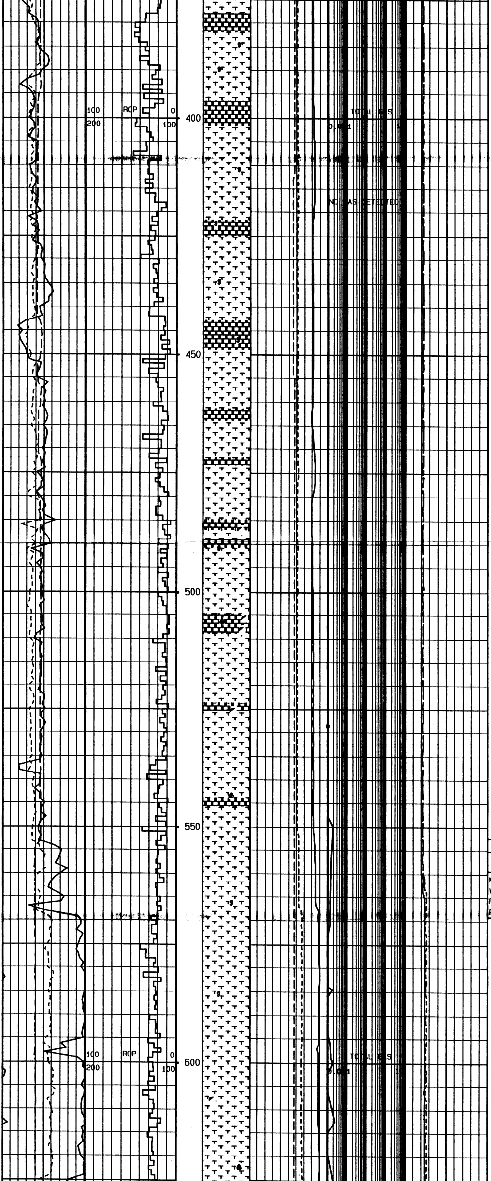
SPP AWAITING REPAIR - DATA
SIMULATED UNTIL START OF
12.25" HOLE SECTION.

BR2 17.5"
HTC MAXGT-03
JETS: 2x22; 1x18
IN: 142m
OUT: 1208m
MTG: 1066m
HRS: 25.7
COND: 1/1/WT
A/E/I/BT/TD

DRILL WITH KCL/POLYMER MUD

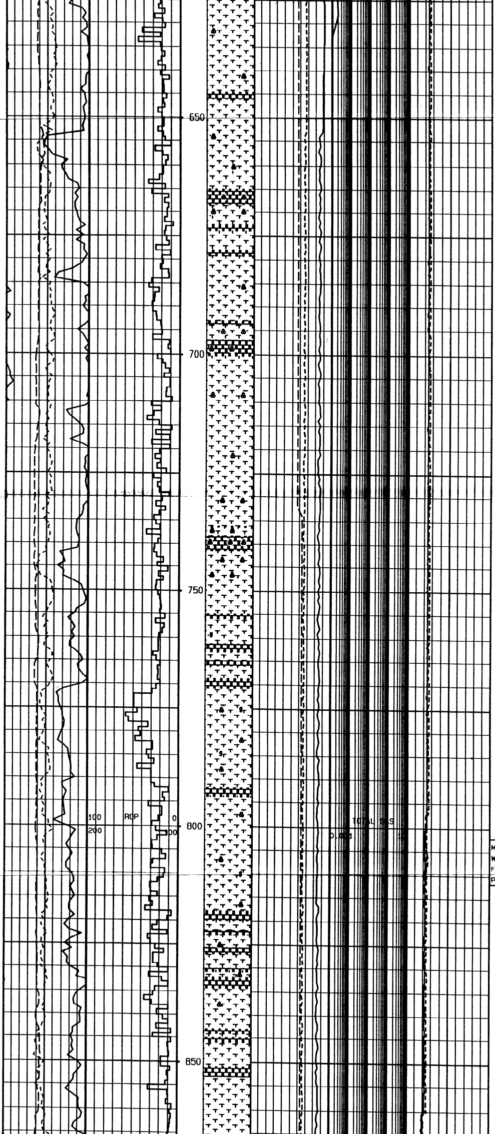
ms 0.3

MUD DATA @ 346m
W 1.13, V 40, PV 15, YP 11, GEL 1/3,
F 6.2, CK 1, SOL 9, SD tr, pH 9.4,
Pf/Mf 0.4/0.8, Cl 40K, KCl 3.4%

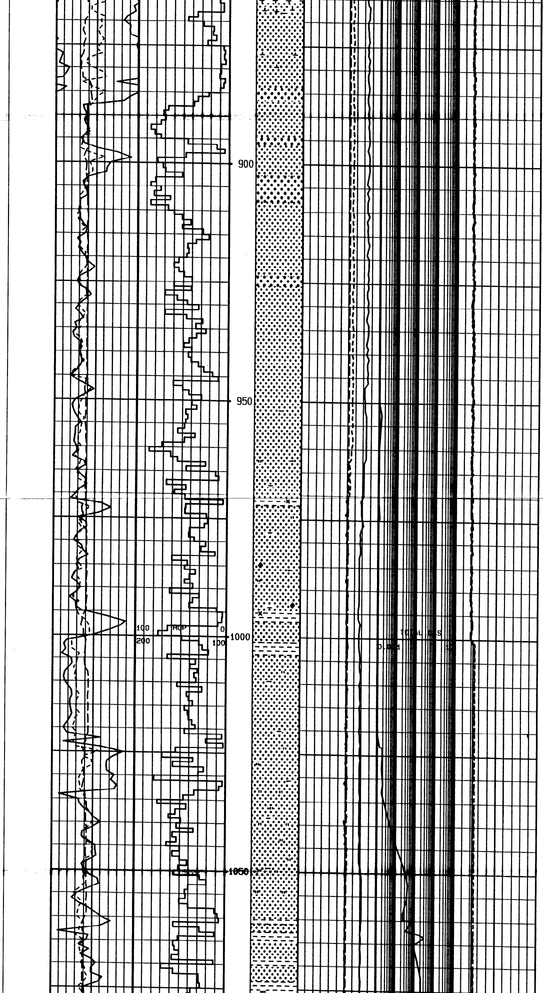


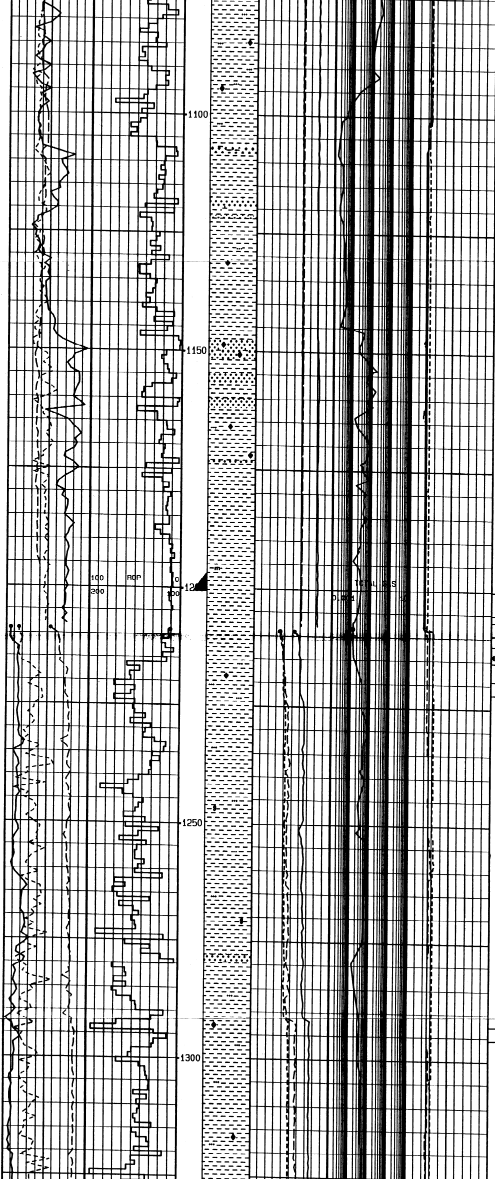
INCREASE WOB @ 555m

MUD DATA @ 563m
W 1.1, V 46, PV 14, YP 17, GEL 3/7,
F 5.6, CK 1, SOL 7, SD 0.25, pH 9.1,
Pf/Mf 0.5/0.9, Cl 36K, KCl 3.5%



MUD DATA @ 800m
W 1.12, V 54, PV 15, YP 15, GEL 4/9,
F 4.8, CK 1, SOL 8, SD 0.5, pH 9,
Pf/Mf 0.4/0.9, Cl 40K, KCl 3.6%





MUD DATA @ 1100m
W 1.11, V 44, YP 15, GEL 4/10, F 4.4,
CK 1, SOL 8, SD 0.25, Pf/Mf 0.18/
0.45, Cl 4.K, KCl 3.5%

Ms 0.6

BR3 NB3 12.25"
HTC AG526
JETS: 5x16
IN: 1208m
OUT: 1757m
MTG: 549m
HRS: 8.6
COND: 3-2-WT
GN-X-3-BT-PR

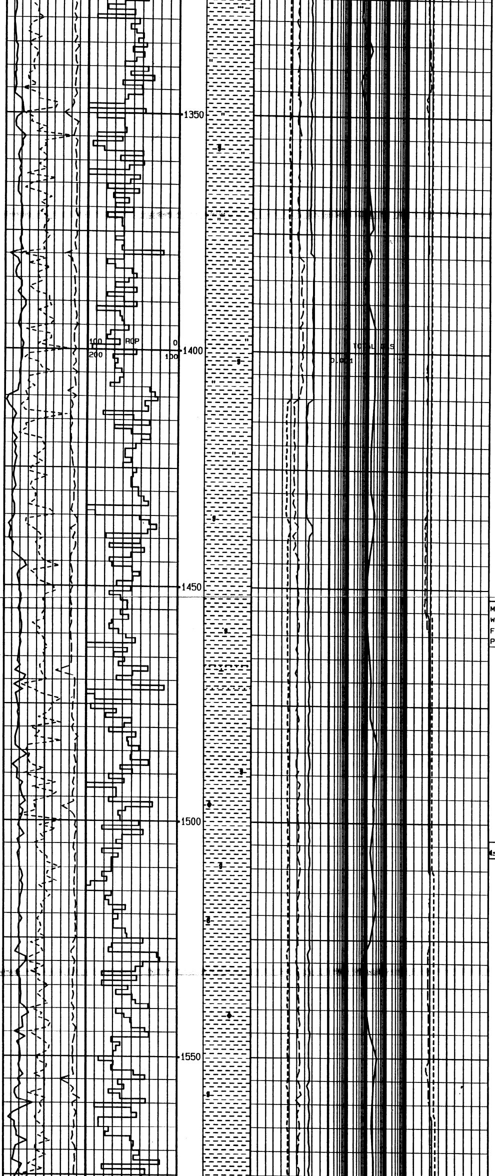
17.5" HOLE DRILLED TO 1208m.
13 3/8" CASING SET AT 1200.6m

L.O.T. @ 1200m : 1.99 sg EMW

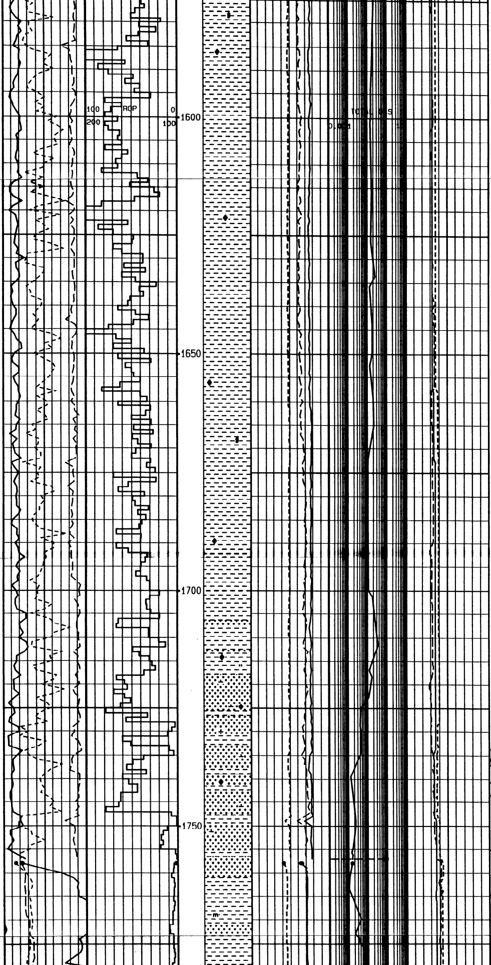
Ms 0.9

MUD MOTOR = APPROX 0.15 rev/gal

INCREASED FLOW RATE @ 1294m



MUD DATA @ 1457m
W 1.3, V 50, PV 14, YP 20, GEL 4/9,
F 4.6, CK 1, SOL 8.5, SD tr, pH 9.4,
Pf/Mf 0.4/0.7, Cl 59K, KCl 7%

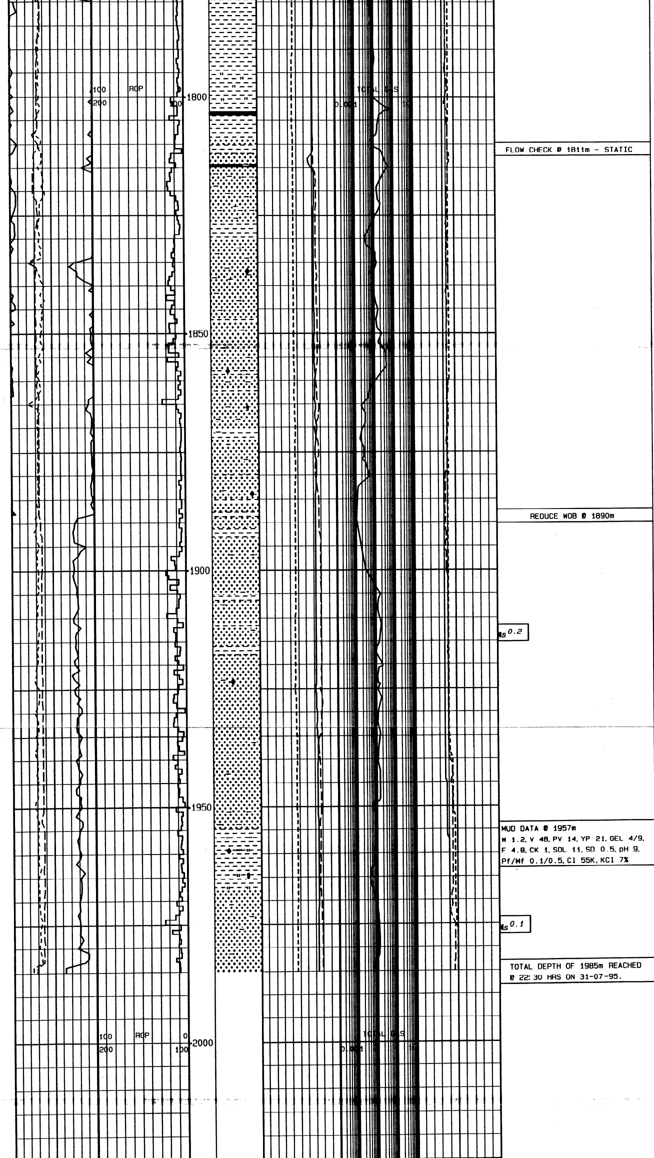


BR4 12.25"
HC ATM GT09
JETS: 3x18
IN: 1757m
OUT: 1985m
MTG: 228m
HRS: 17.3
COND: 2-2-WT-A
E-1/16-BT/ER-TD

s 0.4

FLOW CHECK @ 1736m - STATIC

MUD DATA @ 1757m
W 1.18, V 53, PV 16, YP 19, GEL 5/10
F 5.8, CK 1, SOL 10, SD tr, pH 8.8,
Pf/Mf 0.2/0.7, Cl 58K, KCl 6.8%

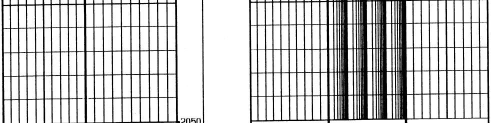


FLOW CHECK @ 1811m - STATIC

REDUCE WOB @ 1890m

MUD DATA @ 1957m
W 1.2, V 48, PV 14, YP 21, GEL 4/9,
F 4.8, CK 1, SOL 11, SD 0.5, pH 9,
Pf/Mf 0.1/0.5, Cl 55K, KCl 7%

TOTAL DEPTH OF 1985m REACHED
@ 22:30 HRS ON 31-07-95.



0 WOB klbf 50 0 RPM 300 0 TORQUE Amps 500	200 ROP m/hr 0	2050 DEPTH MD m 1m = 500m SHOES/MARKERS	LITH	0 SPM 300 0 SPP psi 5000 0 MF IN g/min 2000	0.001 TOTAL GAS % 10 0.001 CON GAS % 10 0.001 CON GAS % 10 x x x 0.001 TRIP GAS % 10 0.001 TRIP GAS % 10 o o o	1 MW IN kg/L 1.5 1 MW OUT kg/L 1.5 1 ECD kg/L 1.5	COMMENTS inc azi # TVD