



1 : 500



## RIG MONITORING

### FORMATION EVALUATION Formation Evaluation

Company : Apache Energy Ltd  
Rig : Ocean Patriot  
Well : Longtom-2 ST1  
Field : Longtom  
Country : Australia  
DOE Number :  
Latitude : 38° 6' 11.89" South  
Longitude : 148° 19' 0.92" East  
UTM Easting = 615,462.43 m  
UTM Northing = 5,781,904.33 m

Other Services  
FEWD

LOCATION  
Latitude : 38° 6' 11.89" South  
Longitude : 148° 19' 0.92" East  
UTM Easting = 615,462.43 m  
UTM Northing = 5,781,904.33 m

Permanent Datum : Mean Sea Level Elevation : 0.00 m

Log Measured From : Drill Floor 21.50 m Above Permanent Datum

Drilling Measured From : Drill Floor

Depth Logged : 1,960.00 m To 2,200.00 m Unit No. : 197 Job No. : AUFEE0003444457

Date Logged : 13-Dec-04 To 18-Dec-04

Total Depth MD : 2,200.00 m TVD : 2,190.18 m

Spud Date : 11-Dec-04 Plot Type : Final Plot Date : 30-Mar-05

Run No.	Size	Borehole Record (MD)	Run No.	Size	Borehole Record (MD)
8	152.000 mm	1,967.70 m To 2,112.00 m			
9	152.000 mm	2,112.00 m To 2,130.00 m			
10	152.000 mm	2,130.00 m To 2,148.00 m			

Size	Casing Record (MD)	To
178,000 mm	43.00 kgpm	877.00 m To 1,960.00 m

## LEGEND

### Abbreviations and Symbols

#### Drilling Data

BG	Background Gas
BHT	Bottomhole Temp
C	Carbide Test
CB	Core Bit
CG	Connection Gas
CKF	Check For Flow
CO	Circulate Out
DB	Diamond Bit
DC	Depth Correction
DS	Direction Survey
DST	Drillstem Test
FLT	Flowline Temp.
LAT	Logged After Trip
NB	New Bit
NR	No Returns
PDC	Polycrystalline Diamond
	Compound Bit
PR	Partial Returns
RPM	Revs Per Minute
RRB	Rerun Bit
STG	Short Trip Gas
TB	Turbo Drill
TG	Trip Gas
U	Gas Units
WOR	Weight On Bit

#### Mud Data

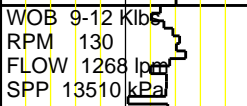
Cl-	Chloride Ion Conc	Rm	Mud Resistivity
FC	Filter Cake	Rmf	Filtrate Resistivity
FL	Filtrate Loss	S	Solids Content
G	Gels	Vis	Funnel Viscosity
pH	Hydrogen Ion Content	MW	Mud Weight
PV	Plastic Viscosity	YP	Yield Point

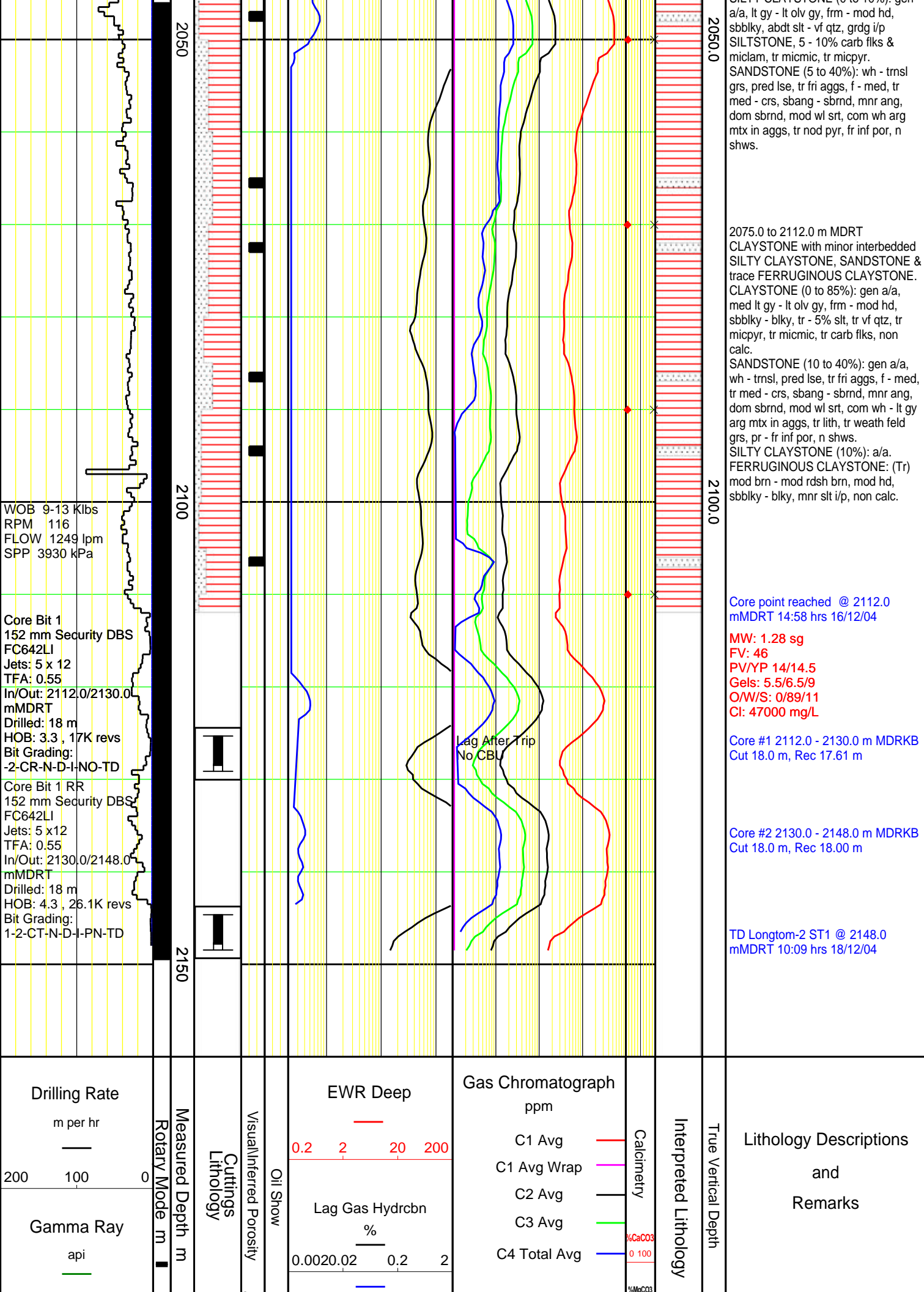
#### Engineering Data

	Core No.		Water
	DST No.		Salt Water
	Casing Seat		Fresh Water
	Side Wall Core		Hydrocarbons Smell
	Gas Traces		H2S Smell
	Gas		Interval Tester
	Oil Traces		Wireline Log Run
	Oil		Leakoff Test

### Lithology Symbols

	Sand		Calcarene
	Sandstone		Limestone
	Silt		Dolomite
	Siltstone		Marl
	Igneous		Tuff
	Clay		Quartzite
	Claystone		Conglomerate
	Shale		Gravel
	Calcilutite		Halite
	Calcsiltite		





0	100	200	MD	pop 1000	pop 1000	2	20	200	2K	10	100	1K	10K	100K	1000	m
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