

FORMATION LOGGING REPORT

WELL: BDC-2-04

Report No: 15  
Corresponding DDR 15

COMPANY:INPEX

Rig:Maersk Deliverer

Field:ICHTHYS

Last Survey

Depth2500.02 m

DATE:23-Sep-21

TIME:2400 hrs

Last Casing Size:26"

TOL (7.0"):

Liner Shoe:

Inc (deg)35.16 °

Midnight Depth:2516.0 m

TVD:2432.3 m

TVD LAT:2399.8 m

Shoe Depth:689.0 m

LOT/FIT:

sg EMW

Azi:227.74 °

RIG OPERATIONS:Pulling out of hole 17.5" string

REPORT BY:Shiva Hosmut / Robert Findlay

REPORT RECEIVED BY: Sam McLennan / Jeremy Ellis / Paul May

DRILLING REPORT

Bit No:3

Type / SL#:Hybrid KTX633 / 5269224

Make:Kymera

Size:17.5"

Jets:3 x 14's, 6 x 15's

TFA (m²):1.487

Total Bit Distance:1821.0 m

Total onbtm Hrs(Tot / cmt):99.60 0.99

Avg Bit ROP (m/hr):18.3

Total Krevs(on btm)Total / Cmt:1105.62 6.45

Total Circ Hrs:152.84

24 hr Bit Distance:54.0 m

Daily Bit Hours:7.26

24hrs ROP (m/hr):7.4

Daily Krevs(on btm):96.10

Daily Circ Hrs:17.02

Total Sliding hrs for run16.90 hrs

Total drilling hrs for run82.70 hrs

Jars hrs ON btm (24hrs/Total)7.2682.70

Total bit rot hrs for run99.60 hrs

Total bit rot hrs due to motor n16.90 hrs

Total bit rot hrs due to string82.70 hrs

SPP (Min / Max):2330 / 3036 PSI

GPM (Min / Max):1010 / 1198 GPM

TQ (kft-lb) (Min / Max):10.5 / 13.3

S RPM (Min/max/AVG):80 / 91 / 89

WOB (klb) (Min / Max):18.4 / 36.1

SPP Avg:2954 PSI

GPM Avg:1194 GPM

TQ (kft-lb)Avg:12.1

Bit RPM (Min/max/AVG):198 / 222 / 221

WOB (klb) Avg:27.9

SPM1 (Min/Max/Avg)0 / 0 / 0 stk

SPM2 (Min/Max/Avg)50 / 74 / 68

SPM3 (Min/Max/Avg)54 / 71 / 66 stk

SPM4 (Min/Max/Avg)64 / 79 / 70 stk

SPM1 Flow (Max/Avg)0 / 0 GPM

SPM2 Flow (Max/Avg)433 / 398

SPM3 Flow (Max/Avg)462 / 391 GPM

SPM4 Flow (Max/Avg)462 / 410 GPM

Rotating hrs on bottom

Motor Krev on btm

String Krev on btm

Ditch Magnet 24hr Wt:410 gms

Section Ditch Magnet total Wt4080 gms

24hrs/Total:7.26 / 99.60

24hrs/Total:57.12 / 745.84

24hrs/Total:38.98 / 359.77

HYDRAULICS REPORT

Mud Density In:1.120 sg

Mud Density Out:1.120 sg

ECD:1.144 sg

PV/YP:14 / 36 cp // lbs/100ft2

Gels:25 / 50 / 58 lbs/100ft2

Chlorides:15000 mg/L

Temp In:38.2 °C

Temp Out:44.3 °C

Hole Volume: bbl

Annular Volume: bbl

Tubing Volume: bbl

Calculated Lag: stk

OPERATIONS SUMMARY

Continued to troubleshoot wash pipe leak, pressure tested wash pipe. Continued to directional drill 17.5" hole from 2462m to 2500m, troubleshooted wash pipe leak, pressure tested wash pipe, Continued to directional drill 17.5" hole from 2500m to 2516m (section TD), Pumped Hi-Vis, circulated hole clean and displace well to inhibited pill. Pulled out of hole 17.5" string is in progress at report time.Total loss for 24hrs = 457.5bbl

GEOLOGY :		
Depth (m)	Lithology	ROP range (Min / Max / Avg)
2462 - 2516	Predominately Calcareous Claystone with thin bands of Argillaceous Calcilitute. At 17.5" hole section TD observed 100% Claystone	1.27 / 8.84 / 5.15

BACKGROUND GAS OUT SUMMARY									
Depth Interval	Total Gas %	C1	C2	C3	iC4	nC4	iC5	nC5	
2462 - 2516	0.056	163	2	0	0	0	0	0	

BACKGROUND GAS IN SUMMARY									
Depth Interval	Total Gas %	C1	C2	C3	iC4	nC4	iC5	nC5	

Depth (m)	Total Gas %	C1	C2	C3	iC4	nC4	iC5	nC5	BG%	Gas type

GAS IN PEAKS										
Depth (m)	Total Gas %	C1	C2	C3	iC4	nC4	iC5	nC5	BG%	Gas type

FG: Formation Gas, CG:Pipe Connection Gas, DC: Dummy Connection Gas, TG: Trip Gas, PO: Pump Off Gas, FC: Flow Check Gas, SWB: Swab Gas, SCR: Gas from SCR, WTG: Wiper Trip Gas. DFC: Dynamic Flow check Gas

GAS SENSOR STATUS				
Sensor Type	Date of Calibration/Test	Status	Comment	
LEL Sensor (Pits, shaker & Drill floor area)	15-Aug-20	Bump Test	Working	
H2S Sensor (Pits, shaker & Header box, rigfloor)	15-Aug-20	Calibrated	Working	
Gas THA Out and IN Equipment no-11868472-001 and 12088033	14-Sep-21	Calibrated with 1% & 10%	Working	
Gas Chromatograph In/ Equipment no- 11883509	14-Sep-21	Calibrated with 1000ppm & 500 ppm mix gas	Working	
Gas Chromatograph Out/ Equipment no- 12088039	14-Sep-21	Calibrated with 1000ppm & 500 ppm mix gas	Working	
Gas THA & Chromatograph BIU / Equipment no-12088032	3-Aug-21	Calibrated	2 x Backup THA Working (Standby)	

EQUIPMENT STATUS			
Item	Action	Status	Comment
Installed Mud weight IN, Conductivity IN sensor, wired up to junction box.	Mud Weight IN ensor is not getting proper value.	Under investigation	Sensor master is not communicating with Slave. Troubleshooting is in progress. Waiting suggestion from town technician. Conductivity IN is working OK
Done function test on SDL shutdown system. On 09Sep2021	-	Observed no alarm was set on PDC for shutdown system	under investigation
Fire sensor at wet end of unit triggered resulting in the unit powering down	Removed sensor and replaced it before purging and reinstating power	Investigating permanent solution	

SDL CREW STATUS			
Name	Position	Date Arrived	Expected Crew Change Date
Shiva Prasad Hosmut	DE	30-Aug-21	27-Sep-21
Robert Findlay	DE	13-Sep-21	4-Oct-21
Larry Pagana	ML	20-Sep-21	27-Sep-21
James Cranfield	ML	16-Sep-21	TBC