

FORMATION LOGGING REPORT

WELL: BDC-2-04

Report No: 9

Corresponding DDR 9

COMPANY:	INPEX		Rig:	Maersk Deliverer		Field:	ICHTHYS		Last Survey	Depth	1118.13 m			
DATE:	17-Sep-21		TIME:	2400 hrs		Last Casing Size:	26"		TOL (7.0"):	Liner Shoe:		Inc (deg)	1.19 °	
Midnight Depth:	1171.0 m		TVD:	1170.8 m		TVD LAT:	1138.3 m		Shoe Depth:	689.0 m		LOT/FIT:	sg EMW	
												Azi:	230.99 °	
RIG OPERATIONS:	Drilling 17.5" hole													
REPORT BY:	Shiva Hosmut / Robert Findlay													
	REPORT RECEIVED BY: Greg Watkins / Jeremy Ellis													

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 (in ³):	1.487
Total Bit Distance:	476.0 m	Total onbtm Hrs(Tot / cmt):	19.43 0.99	Avg Bit ROP (m/hr):	24.5	Total Krevs(on btm)/Total / Cmt:	183.69 6.45	Total Circ Hrs :			27.09
24 hr Bit Distance:	476.0 m	Daily Bit Hours:	18.78	24hrs ROP (m/hr):	25.3	Daily Krevs(on btm):	179.66	Daily Circ Hrs:			22.66
Total Sliding hrs for run	1.95 hrs	Total drilling hrs for run	16.83 hrs	Jars hrs ON btm (24hrs/Total)	16.63		17.48				
Total bit rot hrs for run	19.43 hrs	Total bit rot hrs due to motor n	6.64 hrs	Total bit rot hrs due to string	20.95 hrs						
SPP (Min / Max):	886 / 230 PSI	GPM (Min / Max):	735 / 1165	GPM	TQ (kft-lb) (Min / Max):	0.0 / 9.91	S RPM (Min/max/AVG):	0 / 93 / 42	WOB (kib) (Min / Max):	0.18 - 17.06	
SPP Avg:	1932 PSI	GPM Avg:	1096	GPM	TQ (kft-lb)Avg:	3.8	Bit RPM (Min/max/AVG):	93 / 182 / 162	WOB (kib) Avg :	9.0	
SPM1 (Min/Max/Avg)	0 / 84 / 69 stk	SPM2 (Min/Max/Avg)	0 / 77 / 61	SPM3 (Min/Max/Avg)	0 / 84 / 37 stk	SPM4 (Min/Max/Avg)	0 / 44 / 19 stk				
SPM1 Flow (Max/Avg)	492 / 404 GPM	SPM2 Flow (Max/Avg)	451 / 357	SPM3 Flow (Max/Avg)	492 / 216 GPM	SPM4 Flow (Max/Avg)	257 / 111 GPM				
Rotating hrs on bottom (24hrs/Total) :	18.78 / 19.43	Motor Krev on btm (24hrs/Total)	134.62 / 134.62	String Krev on btm (24hrs/Total)	45.04 / 49.07	Ditch Magnet 24hr Wt:	850 gms	Section Ditch Magnet total Wt	850 gms		

HYDRAULICS REPORT

Mud Density In:	1.110 sg	Mud Density Out:	1.110 sg	ECD:	1.110 sg	PV/YP:	12 / 30 cp // lbs/100ft ²
Gels:	15 / 24 / 29 lbs/100ft ²	Chlorides:	15000 mg/L	Temp In:	34.0 °C	Temp Out:	36.3 °C
Hole Volume:	- bbl	Annular Volume:	- bbl	Tubing Volume:	- bbl	Calculated Lag:	- stk

OPERATIONS SUMMARY

Drilled 17 1/2" hole with seawater and sweeps. Pumping 50 bbl sweeps mid-stand and 50 bbl on connections. Drilled from 695 m to 733 m at flowrate of 750 gpm. Increased the flowrate to 1000 gpm at 733 m and then to 1100 gpm at 766 m. at 933m starts displace the well with 1.08 SG of SW Gel Polymer mud. Drill 17.5" hole from 933m to 1171 m at report time. Total mud lost in 24hrs = 1163 bbls.

GEOLOGY :

Depth (m)	Lithology	ROP range (Min / Max / Avg)
930 - 1070	100 % Calcarenite	4.2 / 91.4 / 25.7
1070 - 1171	Interbedded with Sandstone & Calcarenite	4.2 / 249.6 / 62.5

BACKGROUND GAS OUT SUMMARY

Depth Interval	Total Gas %	C1	C2	C3	iC4	nC4	iC5	nC5
930 - 1171	0.01	6	0	0	0	0	0	0

BACKGROUND GAS IN SUMMARY

Depth Interval	Total Gas %	C1	C2	C3	iC4	nC4	iC5	nC5

GAS OUT PEAKS

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 B/U / 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.
Done function test on SDL shutdown system. On 09Sep2021	-	Observed no alaram 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
Yenny Nino	ML	6-Sep-21	20-Sep-21
James Cranfield	ML	16-Sep-21	TBC