

## FORMATION LOGGING REPORT

WELL: BDC-2-04

Report No: 10  
Corresponding DDR 10

COMPANY:	INPEX	Rig:	Maersk Deliverer	Field:	ICHTHYS	Last Survey	Depth	1525.61 m
DATE:	18-Sep-21	TIME:	2400 hrs	Last Casing Size:	26"	TOL (7.0"):	Liner Shoe:	Inc (deg) 1.00 °
Midnight Depth:	1581.0 m	TVD:	1580.7 m	TVD LAT:	1548.2 m	Shoe Depth:	689.0 m	LOT/FIT: sg EMW
								Azi: 213.52 °
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 (in³):	1.487
Total Bit Distance:	886.0 m	Total onbtm Hrs(Tot / cmt):	29.03 0.99	Avg Bit ROP (m/hr):	30.5	Total Krevs(on btm)Total / Cmt:	277.06 6.45	Total Circ Hrs :	50.05		
24 hr Bit Distance:	410.0 m	Daily Bit Hours:	9.60	24hrs ROP (m/hr):	42.7	Daily Krevs(on btm):	93.57	Daily Circ Hrs:	22.96		
Total Sliding hrs for run	2.11 hrs	Total drilling hrs for run	26.92 hrs	Jars hrs ON btm (24hrs/Total)	9.60	26.92					
Total bit rot hrs for run	29.03 hrs	Total bit rot hrs due to motor n	2.11 hrs	Total bit rot hrs due to string	26.92 hrs						
SPP (Min / Max):	1290 / 2114 PSI	GPM (Min / Max):	904 / 1158 GPM	TQ (kft-lb) (Min / Max):	0 / 11.4	S RPM (Min/max/AVG):	0 / 60 / 36	WOB (kib) (Min / Max ):	1 - 20.1		
SPP Avg:	1802 PSI	GPM Avg:	1128 GPM	TQ (kft-lb)Avg:	4.4	Bit RPM (Min/max/AVG):	115 / 188 / 161	WOB (kib) Avg :	8.7		
SPM1 (Min/Max/Avg)	51 / 89 / 80 stk	SPM2 (Min/Max/Avg)	61 / 89 / 74	SPM3 (Min/Max/Avg)	0 / 60 / 15 stk	SPM4 (Min/Max/Avg)	0 / 59 / 35 stk				
SPM1 Flow (Max/Avg)	521 / 468 GPM	SPM2 Flow (Max/Avg)	521 / 433	SPM3 Flow (Max/Avg)	351 / 88 GPM	SPM4 Flow (Max/Avg)	345 / 205 GPM				
Rotating hrs on bottom (24hrs/Total) :	9.6 / 29.03	Motor Krev on btm (24hrs/Total)	70.8 / 205.22	String Krev on btm (24hrs/Total)	22.77 / 71.84	Ditch Magnet 24hr Wt:	1250 gms	Section Ditch Magnet total Wt	2100	gms	

## HYDRAULICS REPORT

Mud Density In:	1.090 sg	Mud Density Out:	1.090 sg	ECD:	1.090 sg	PV/YP:	10 / 19 cp // lbs/100ft2
Gels:	5 / 8 / 12 lbs/100ft2	Chlorides:	13000 mg/L	Temp In:	31.0 °C	Temp Out:	31.7 °C
Hole Volume:	- bbl	Annular Volume:	- bbl	Tubing Volume:	- bbl	Calculated Lag:	- stk

## OPERATIONS SUMMARY

Drilled ahead in 17 1/2" hole from 1171 m to 1372 m while losing SW Gel Polymer mud over the shakers to eliminate sand from the mud system. Reciprocated and worked on shakers at 1372 m while building additional 1200 bbls of SW Gel Polymer mud. Transferred 600 bbls SW Gel Polymer mud to the active system and drilled ahead. Continued to transfer into the active system while drilling ahead and building additional SW Gel Polymer mud. Drilled ahead from 1372 m to 1478m. Stop drilling whilst preparing the mud and work on shaker. Resume drilling from 1478 m to 1581m at report time.

## GEOLOGY :

Depth (m)	Lithology	ROP range (Min / Max / Avg)
1171 - 1581	100% Sandstone	2.2 / 331.2 / 82.7

## BACKGROUND GAS OUT SUMMARY

Depth Interval	Total Gas %	C1	C2	C3	iC4	nC4	iC5	nC5
1171 - 1571	0.02	8	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