

FORMATION LOGGING REPORT

WELL: BDC-2-04

Report No: 12
Corresponding DDR 12

COMPANY:	INPEX	Rig:	Maersk Deliverer	Field:	ICHTHYS	Last Survey	Depth	2220.64 m	
DATE:	20-Sep-21	TIME:	2400 hrs	Last Casing Size:	26"	TOL (7.0"):	Liner Shoe:	Inc (deg)	31.42 °
Midnight Depth:	2261.0 m	TVD:	2218.1 m	TVD LAT:	2185.6 m	Shoe Depth:	689.0 m	LOT/FIT:	sg EMW
								Azi:	227.90 °
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 (m ²):	1.487
Total Bit Distance:	1566.0 m	Total onbtm Hrs(Tot / cmt):	59.88 0.99	Avg Bit ROP (m/hr):	26.2	Total Krevs(on btm)/Total / Cmt:	558.4	6.45	Total Circ Hrs :	95.67	
24 hr Bit Distance:	214.0 m	Daily Bit Hours:	13.91	24hrs ROP (m/hr):	15.4	Daily Krevs(on btm):	139.95		Daily Circ Hrs:	22.83	
Total Sliding hrs for run	16.90 hrs	Total drilling hrs for run	42.98 hrs	Jars hrs ON btm (24hrs/Total)	8.01	42.98					
Total bit rot hrs for run	59.88 hrs	Total bit rot hrs due to motor n	16.90 hrs	Total bit rot hrs due to string	42.98 hrs						
SPP (Min / Max):	2170 / 2680 PSI	GPM (Min / Max):	1148 / 1178 GPM	TQ (kft-lb) (Min / Max):	0 / 12.3	S RPM (Min/max/AVG):	0 / 80 / 41	WOB (klb) (Min / Max):	8.4 / 31.9		
SPP Avg:	2447 PSI	GPM Avg:	1164 GPM	TQ (kft-lb)Avg:	7.1	Bit RPM (Min/max/AVG):	126 / 209 / 169	WOB (klb) Avg :	16.3		
SPM1 (Min/Max/Avg)	0 / 17 / 5 stk	SPM2 (Min/Max/Avg)	67 / 76 / 73	SPM3 (Min/Max/Avg)	55 / 68 / 63 stk	SPM4 (Min/Max/Avg)	56 / 76 / 62 stk				
SPM1 Flow (Max/Avg)	99 / 29 GPM	SPM2 Flow (Max/Avg)	445 / 427	SPM3 Flow (Max/Avg)	398 / 369 GPM	SPM4 Flow (Max/Avg)	445 / 363 GPM				
Rotating hrs on bottom (24hrs/Total) :	13.91 / 59.88	Motor Krev on btm (24hrs/Total)	107.11 / 433.73	String Krev on btm (24hrs/Total)	32.64 / 124.67	Ditch Magnet 24hr Wt:	360 gms	Section Ditch Magnet total Wt	3060 gms		

HYDRAULICS REPORT

Mud Density In:	1.110 sg	Mud Density Out:	1.110 sg	ECD:	1.130 sg	PV/YP:	12 / 29 cp // lbs/100ft2
Gels:	15 / 24 / 25 lbs/100ft2	Chlorides:	15000 mg/L	Temp In:	33.1 °C	Temp Out:	39.3 °C
Hole Volume:	bbl	Annular Volume:	bbl	Tubing Volume:	bbl	Calculated Lag:	stk

OPERATIONS SUMMARY

Continue directional drilling 17.5" hole from 2047 m to 2193 m, then at 2193 pumped 50 bbls of scouring pill, sliding ROP at 5 - 10 m/hr. At 2206 m pumped another 50 bbls of scouring pill - no improvement. At 2208 m pumped 50 bbls of SAPP pill, displaced down the string with Dispersed Gel Polymer Mud, stopped pumping after 30 bbls of SAPP pill exited the bit and soaked for 30 minutes. After 30 minutes pumped 5 bbls until remaining 20 bbls of SAPP pill exited the bit, chased with another 50 bbls of SAPP pill followed by 50 bbls of scouring pill from pit 2 - more improvement, rotating ROP at 15 - 20 m/hr average. At 2241 m pumped another 50 bbls of scouring pills - rotating ROP at 10-15 m/hr, sliding ROP at 5-10 m/hr. At 2251 m pumped another 50 bbls of scouring pills - rotating ROP at 10 m/hr. Continue drilling 17.5" hole to 2261 m at report time. Further drilling is in progress. Total loss for 24hrs = 609.4 bbl

GEOLOGY :

Depth (m)	Lithology	ROP range (Min / Max / Avg)
2047 - 2261	100% Claystone	2.6 / 54.9 / 15.6

BACKGROUND GAS OUT SUMMARY

Depth Interval	Total Gas %	C1	C2	C3	iC4	nC4	iC5	nC5
2047 - 2261	0.03	33	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, rig floor)	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. 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
Yenny Nino	ML	6-Sep-21	20-Sep-21
James Cranfield	ML	16-Sep-21	TBC
Larry Pagana	ML	20-Sep-21	TBC