


PT Geo Dipa Energi (Persero)

DAILY DRILLING REPORT
PT. GEO DIPA ENERGI (Persero)
18-May-23



OPERATOR		PT. GEO DIPA ENERGI (Persero)		CONTRACTOR		JV ADA - APS		REPORT NO. #		29			
WELL/ PAD NAME		PTH-BB-9A		FIELD		PATUHA		ENVIRONMENT		ONSHORE			
WELL TYPE/ PROFILE		BIG HOLE / 3-TYPE		LATITUDE/ LONGITUDE		07° 10' 02.79" S / 107° 24' 57.29" E		GL - MSL (M)		1950 m-ASL			
GENERAL				DRILLING PARAMETERS				AFE					
Rig TYPE / NAME		LAND RIG / ARJUNA#88		AVERAGE WOB (24 HRS)		KLBS		AFE NUMBER / AFE COST					
RIG POWER		HP		AVERAGE ROP (24 HRS)		M/HR		DAILY COST					
KB ELEVATION		Meter		AVERAGE SURFACE RPM / DHM				% AFE / CUMULATIVE COST		###			
MIDNIGHT DEPTH		Meter		ON / OFF BOTTOM TORQUE		KLBS-FT		DAILY MUD COST					
PROGRESS		Meter		FLOWRATE / SPP		gpm/PSI		CUMULATIVE MUD COST					
PROPOSED TD		Meter		AIR RATE		SCFM		PERSONNEL IN CHARGE					
SPUD DATE		19/04/2023 08:30:00		CORR. INHIB./ FOAM RATE		GPH		DAY/ NIGHT DRILLING SUPV.		KETUT D.Y. / EVI R.			
RELEASE DATE				PUW/SOW/ROTW		KLBS		DRILLING SUPERINTENDENT		BUDI SETIAWAN			
PLANNED DAYS		45		TOTAL DRILLING TIME		HRS		RIG SUPERINTENDENT		NISAR JAHRI			
DAYS f/ RIG RELEASE				TON MILES		630.0		DRILLING ENGINEER		EKA DAYA SAMUDERA			
								HSE SUPERVISOR		DIAZ P.			
24 HOURS SUMMARY		CHC 946 -960 mMD, RIH and Wash Down 9-7-8" TCI f/ 946 mMD to 971 mMD. Cont'd RIH on elevator 9-7-8" TCI 10RR#1+ rotary assy f/ 976 mMD to 1517 mMD. Reaming down f/ 1517 mMD to 1562 mMD. Attempted to free stuck at 1560 mMD. Back ream from 1560 mMD to 976 mMD. Cont'd POOH on elevator f/ 976 mMD to surface. M/U and RIH 9-7/8" TCI 11RR#2 slick assy from surface to 317 mMD											
24 HOURS FORECAST		RBIH w/ 9-7/8" Rotary Slick Assy. Check fill. Wash and defensive reaming w/ aerated to bottom. Circulate hole clean. DOF 9-7/8" HS w/ rotary BHA to casing point ±(1850 mMD - 1900 mMD)											
STATUS 05:00 Hrs 19-May-23		Reaming down with aerated water @1383 mMD											
SAFETY PERFORMANCE		HOURS RECORD		HAZARD MANAGEMENT		EMERGENCY DRILLS							
Nearmiss		KM Hrs Light Vehicle		215		JSA/HIRA		15		H2S Drill		18-Apr-23	
Incidents		KM Hrs Heavy Equipment		20		PTW		15		BOP Drill/ Kick Drill			
Last MTI		Total Daily Personnel		194		Pre Tour Meeting		2		Fire Drill		17-Apr-23	
Last LTI		Daily Safe Manhours / Cum Safe Manhours		2.328/1.378.300		Observation Card		219		Trip Drill			
Days w/out LTI		DWLTI Since		1-Oct-21		Safety Inspection/ Training		15/1		Medivac Drill		17-Apr-23	
595.00													
ACCIDENT/ INCIDENT SUMMARY		N/A		SAFETY ISSUES		N/A							
ENVIRONMENTAL RECORD		OCCUPATIONAL HEALTH RECORD											
Domestic Waste (m3)		4		Hazardous Waste (kg)		Fit for duty / MCU (person)		93/0					
Hazardous Waste/B3 (kg)		Drill Cutting Vol (Jumbo bag)		8		Clinic Visit		3					
Spill Incidents (barrels)		Other (BB)				Number of Work Related Illnesses							
Enviro/ Community Issue		Cumulative 24 Hrs				Occupational Health Issue							
TIME BREAKDOWN													
OPERATIONS FOR PERIOD 00:00 TO 24:00 HRS ON Thu, 18-May-23													
TIME, HH:MM		DEPTH		PT/NPT		CODE		DESCRIPTION		OPERATIONS			
START	END	ELAPSED											
0:00	1:30	1.5	1562	NPT	5c	Circulate / Condition Mud Unplanned	Circulate hole clean while working pipe range 946 -960 mMD - FR 1100 gpm, SPP 1260 psi - Swept 50 bbls hi-visc @953 mMD, @955 mMD - Encountered PLC, rate 0.3-0.7 bpm						
1:30	2:00	0.5	1562	NPT	3b	Wash / Reaming / Backreaming Unplanned	RIH and Wash Down 9-7-8" TCI f/ 946 mMD to 971 mMD. - FR 1100 gpm, SPP 1250 psi - Tagged 5 klbs @971 mMD, reaming f/ 971 - 976 mMD w/ FR 1100 gpm, SPP 1250 psi, RPM 40, TQ 4-5 klb.ft						
2:00	3:30	1.5	1562	NPT	3b	Wash / Reaming / Backreaming Unplanned	Cont'd RIH on elevator 9-7-8" TCI 10RR#1+ rotary assy f/ 976 mMD to 1517 mMD. Tagged 5klbs (fill 45 m) - Fill up string @1264 mMD - Encountered PLC, rate 0.2-0.3 bpm.						
3:30	09:00	5.5	1562	NPT	3b	Wash / Reaming / Backreaming Unplanned	Reaming down f/ 1517 mMD to 1562 mMD - FR 1100 gpm, SPP 1600-1680 psi, RPM 40-50, TQ 8 - 11 klb.ft. PLC, rate 0.2-0.9 bpm. - Found cutting @1517 mMD 50-60% IO, @ 1540 mMD 40% - Swept Hi-Visc 50 bbls @1522, 1550, 1560 mMD - Encountered spike TQ at 1525 mMD 13 klbft. - At 1561 mMD found high Torque until 26 klbft. Back ream, got pipe stuck & hole pack off. Pressure increase to 2000 psi, no return and overpull 50 klbs (08:40 Hrs)						
09:00	11:30	2.5	1562	NPT	2j	Stuck Pipe Include Handling operations	Attempted to free stuck at 1560 mMD while circulate hole clean - With aerated SPP 2350 psi, Air rate 700-1300 SCFM, ADA Pressure 2300-2450 psi, Foam/Corr Inhib 4-17/2-15 gph. No Return - At 10:50 Hrs got intermitten return, pressure decrease to 2220 psi. No success						
11:30	13:30	2.0	1562	NPT	2j	Stuck Pipe Include Handling operations	Try back ream from 1560 mMD to 1553 mMD Parameter: FR 450-620 gpm, SPP 2200-2400 psi, RPM 60-70, TQ 17-21 klbft, Airrate 1300-2000 SCFM, ADA Pressure 2250-2500 psi, Foam/Corr Inhib 24-28/15 gph, Intermitten return. Success - At 1554 mMD, pump pressure continue decrease until 1000 psi and free pipe - Rack back 1 std						
13:30	19:00	5.5	1562	NPT	3b	Wash / Reaming / Backreaming Unplanned	Cont'd back ream from 1553 mMD to 976 mMD with parameter FR 420 gpm, SPP 500-650 psi, RPM 40-50, TQ 7-17 klbft, Air rate 1800 SCFM, ADA Pressure 550-800 psi, Foam/Corr Inhib 20/15 gph decrease until 8/4 gph, Return-PLC - Cooling Tower off at 1496 mMD (14:30 Hrs) - From 1467 mMD TQ decrease to 6-9 klbft (14:48 Hrs) - Stop aerated @976 mMD (18:50)						
19:00	22:00	3.0	1562	PT	6d	Trip in / out Drilling BHA	Cont'd POOH on elevator f/ 976 mMD to surface. Return - Pump backside FR 410 gpm - Uninstall RRH ADA @569 mMD - Uninstall corrosion ring @290 mMD - Encountered PLC, rate 0.9-1.1 bpm - B/O and L/D 9-3/8" IB Stabilizer - Bit Grading : 1-1-WT-A-E-1-NO-HP						
22:00	0:00	2.0	1450	PT	6d	Trip in / out Drilling BHA	M/U and RIH 9-7/8" TCI 11RR#2 slick assy from surface to 317 mMD. 9-7/8" TCI Bit (IADC 537 Smith Type FH300D1VPS s/n RP2122 nozz 2X30;1x32) + 8" Bit Sub w/ Float Valve + 8" Pony DC + X-Over Sub + 6-1/2" DC + 19x5" HWDP + 6-1/2" SH + 10x5" HWDP + 6-3/4" FLOAT SUB ADA + 6-3/4" LOCK SUB ADA) - Pump thru annulus 410 gpm. return PLC - Install corrosion ring @ lock sub ADA 288 mMD - Encountered PLC, rate 1-1.3 bpm.						
TOTAL HRS		24.0											

OPERATIONS FOR PERIOD 00:00 TO 05:00 HRS ON							Fri, 19-May-2023	
TIME, HH:MM			DEPTH	PT/NPT	CODE	DESCRIPTION	OPERATIONS	
START	END	ELAPSED						
0:00	4:00	4.0	1562	PT	6d	Trip in / out Drilling BHA	Cont'd RIH 9-7/8" TCI 11RR#2 slick assy from 317 mMD to 1381 mMD (tagged 5 klbs). 9-7/8" TCI Bit (IADC 537 Smith Type FH300D1VPS s/n RP2122 nozz 2X30;1x32) + 8" Bit Sub w/ Float Valve + 8" Pony DC + X-Over Sub + 6-1/2" DC + 19x5" HWDP + 6-1/2" SH + 10x5" HWDP + 6-3/4" FLOAT SUB ADA + 6-3/4" LOCK SUB ADA) - C/O saver sub @317 mMD - Install RRH ADA @903 mMD - Fill up string @925 mMD - Intermitten return f/ 1214 mMD to 1381 mMD - Pump thru annulus 410 gpm. return PLC - Encountered PLC, rate 0.5-0.9 bpm	
4:00	5:00	1.0	1562	PT	3a	Wash / Reaming / Backreaming	Reaming down with aerated water f/ 1381 - 1383 mMD (on progress) - Connect top drive - Aerated online @04:10 hrs - Work on pipe with aerated water range 1381 - 1358 mMD - Start reaming down @04:50 hrs with FR 400 gpm, SPP 490-520 psi, RPM 40, TQ 8.5-10 klb.ft ,Air rate 1800 SCFM, ADA Pressure 550-600 psi, Foam/Corr Inhib 8/4 gph	
GENERAL COMMENTS							SIGNATURE	
							REPORTED BY	
<p>Progress Activity: 58%</p> <p>KOP: 166 mMD</p> <p>Estimated Mud Loss (24 Hrs) : ± 1029 Bbls. Estimated Cumulative Mud Loss : ± 10859 Bbls Estimated Water Loss (24 Hrs) : ± 0 Bbls. Estimated Cumulative Water Loss : ± 3320 Bbls</p> <p>NPT Record Rig Bundling Total NPT Record on April 2023 : Cumm 5 Hrs - MLU : Cumm 2 Hrs - TDS : Cumm 3 Hrs</p> <p>Rig Bundling Total NPT Record on May 2023 : - hrs</p> <p>NPT Stuck Pipe : 4.5 hrs / Cumm 5 Hrs</p> <p>NPT Hole Problem : 14.5 hrs / Cumm 20 hrs</p>								
							KETUT D. Y DRILLING SUPERVISOR	

BIT RECORDS				BHA #10 9-7/8" Rotary			BHA #11 9-7/8" Slick BHA			CASING		
7		8		DESCRIPTION	OD in	Length m	DESCRIPTION	OD in	Length m	Last Size	in	17.5
Bit Number	6RR#1	Bit Number	6RR#2							Set MD	m	1,012
Bit Size	9 7/8	Bit Size	9 7/8							Set TVD	m	925.0
Bit Run	2	Bit Run	3	9-7/8" TCI Bit (537)	8 1/4	0.38	9-7/8" TCI Bit (537)	9 7/8	0.27	Last FIT EMW	ppg	
Manufacturer/Type	Smith / FH300D1VPS	Smith / FH300D1VPS		8" Bit Sub w/ Float Valve	7	0.31	8" Bit Sub w/ Float Valve	8	0.89	Next Size	in	12-1/4"
IADC Code	537	537		9-3/8" IB Stabilizer	7	0.58	8" Pony DC	8	4.41	Set MD	m	1,800
Jets /32 in	2x30; 1x32	2x30; 1x32		8" Pony DC	8 2/9	1.22	XO Sub	6 7/9	0.51	TOL	m	-
Serial #	RP2122	RP2122		XO Sub	7	7.92	1 x 6-1/2" DC	6 1/2	9.04	MUD VOLUMES		
Depth In m	1,474.0	1,562.0		1 x 6-1/2" DC	8 2/9	1.22	19 x 5" HWDP	5	174.92	Start	bbl	2,050
Depth Out m	1,562.0			19 x 5" HWDP	5	0.99	6-1/2" Sledgehammer Jar	6 1/2	6.30	Lost Surface	bbl	0
Meterage m	88.0			6-1/2" Sledgehammer Jar	7	0.73	10 x 5" HWDP	5	91.41	Lost DH	bbl	2,537
Bit Hours	24 hrs 13.04			10 x 5" HWDP	6 1/2	55.00	Float Sub ADA	6 3/4	0.66	Dumped	bbl	
TFA in ²	2.166	2.166		Float Sub ADA	5	92.31	Lock Sub ADA	6 3/4	0.55	Built	bbl	2,537
Tot Krev On Bttm	50.4			Lock Sub ADA	6 1/2	6.30				Ending	bbl	2,050
Tot Krev	125.2									SOLID CONTROL EQUIPMENTS		
Dull Grade In	0-1-WT-A-E-I-NO-CP	1-1-WT-A-E-I-NO-BHA								SHAKERS	MODEL (TYPE)	SCREEN SIZE
Dull Grade Out	1-1-WT-A-E-I-NO-BHA									Shaker #1	DERRICK (FLC-2000-4)	120/100/80
										Shaker #2	DERRICK (FLC-2000-4)	120/100/80
										Shaker #3	DERRICK (FLC-2000-4)	120/100/80
										Mud Cleaner	DERRICK (FLC-2000-4)	230/230/230/230
										Hi-G Dryer	FLC 2000-4	
										Centrifuge	DE-1000	