


PT Geo Dipa Energi (Persero)

DAILY DRILLING REPORT  
PT. GEO DIPA ENERGI (Persero)  
21-Jun-23



OPERATOR		PT. GEO DIPA ENERGI (Persero)		CONTRACTOR		JV ADA - APS		REPORT NO. #		63	
WELL/ PAD NAME		PTH-BB-9A-ST		FIELD		PATUHA		ENVIRONMENT		ONSHORE	
WELL TYPE/ PROFILE		BIG HOLE / J-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	#DIV/0!			
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 DY. / EVI R.- ADI K.			
RELEASE DATE		PUW/SOW/ROTW	KLBS	DRILLING SUPERINTENDENT	BUDI SETIAWAN			
PLANNED DAYS	70	TOTAL DRILLING TIME	HRS	RIG SUPERINTENDENT	NISAR JAHRI			
DAYS I/ RIG RELEASE		TON MILES		DRILLING ENGINEER	EKA DAYA SAMUDERA			
			595.0	HSE SUPERVISOR	DIAZ P.			

24 HOURS SUMMARY

Continue POOH String (after mechanical back off) from 519 mMD to surface (Total length of fish : 233.69 mtr and Estimate TOF at 1317 mMD), RIH OEDP 5" to tag top of fish from surface to 1284 mMD, POOH OEDP 5" from 1284 mMD to 1079 mMD, POOH OEDP 5" from 1248 mMD to surface, RIH 10-3/4" Perforated Casing (L-80, 40.5 ppf) from surface to 493 mMD, Prepare and RIH 10-3/4" perforated casing + Running Tools, Continue RIH 10-3/4" perforated casing + Running Tools (10x5" HWDP + 5" DP) from 493 mMD to 849 mMD, Tagged 10 klbs (top window), Attempt to RIH 10-3/4" perforated casing going deeper (can only go deeper from 849 mMD to 853 mMD), POOH 10-3/4" perforated casing + Running Tools from 853 mMD to 493 mMD (Add string weight with 5 Jts 8" DC + 12 Jts 6-1/2" DC and re-test running tools, Ok), RBIH 10-3/4" perforated casing + Running Tools from 493 mMD to 545 mMD

24 HOURS FORECAST

Continue POOH 10-3/4" perforated casing + Running Tools to surface (while check connection casing), RIH tandem 10-3/4" perforated casing & 8-5/8" perforated casing

STATUS 05:00 Hrs 22-Jun-23

POOH 10-3/4" perforated casing + Running Tools at 545 mMD

HSE							
SAFETY PERFORMANCE		HOURS RECORD		HAZARD MANAGEMENT		EMERGENCY DRILLS	
Nearmiss		KM Hrs Light Vehicle	129	JSA/HIRA	20	H2S Drill	3-Jun-23
Incidents		KM Hrs Heavy Equipment	20	PTW	20	BOP Drill/ Kick Drill	
Last MTI		Total Daily Personnel	213	Pre Tour Meeting	2	Fire Drill	17-Apr-23
Last LTI		Daily Safe Manhours / Cum Safe Manhours	2.556/1.459.504	Observation Card	216	Trip Drill	
Days w/out LTI	629.00	DWLT Since	1-Oct-21	Safety Inspection/ Training	15/0	Medivac Drill	3-Jun-23
ACCIDENT/ INCIDENT SUMMARY				SAFETY ISSUES			
N/A				N/A			
ENVIRONMENTAL RECORD				OCCUPATIONAL HEALTH RECORD			
Domestic Waste (m3)	4	Hazardous Waste (kg)		Fit for duty / MCU (person)		93/8	
Hazardous Waste/B3 (kg)		Drill Cutting Vol (Jumbo bag)	0	Clinic Visit		4	
Spill Incidents (barrels)		Other (BB)		Number of Work Related Illnesses			
Enviro/ Community Issu		Cumulative 24 Hrs		Occupational Health Issue			

TIME BREAKDOWN

OPERATIONS FOR PERIOD 00:00 TO 24:00 HRS O Wed, 21-Jun-23

TIME, HH:MM		ELAPSED	DEPTH	PT/NPT	CODE	DESCRIPTION	OPERATIONS
START	END						
0:00	1:30	1.5	1561	NPT	2j	Stuck Pipe Include Handling operations	Continue POOH String (after mechanical back off) from 519 mMD to surface. Found recovered 7 joints 5" HWDP, TLC - While pump thru annulus 510 gpm - Retrieve corrosion ring at 65 mMD - Fish : 12.25" PDC stingerblade + 8" B/S with FV + 8" PONY DC + 11.5" JB STAB + 3x8" DC+ X-Over Sub (6-5/8 RegPx4-1/2 Reg B) + 3x6.5" DC + 9x5" HWDP + 6.5" SH JAR + 9x5" HWDP (Total length of fish : 233.69 mtr) - Estimate top fish at 1317 mMD
1:30	6:00	4.5	1561	NPT	19a	Fishing Operations	RIH OEDP 5" to tag top of fish from surface to 1284 mMD.TLC - Washdown from 1271 to 1284 mMD with FR 200 gpm, SPP 0 psi. Tagged 5 klbs - Got overpull at 1284 mMD 15 klbs - While pump thru annulus 600 gpm - Check and re-torque every joint connection
6:00	8:30	2.5	1561	NPT	19a	Fishing Operations	POOH OEDP 5" from 1284 mMD to 1079 mMD - While pump thru annulus 600 gpm. No return RBIH normal form 1079 mMD to 1246 mMD while pump annulus 600 gpm (no return), Tagged at 1246 mMD, 5klbs. Washdown from 1246 mMD to 1248 mMD with FR 900 gpm, SPP 980-1050 psi, weight normal (no return)
8:30	11:30	3.0	1561	NPT	19a	Fishing Operations	POOH OEDP 5" from 1248 mMD to surface - Got Overpull 25 - 40 klbs at 1248 and 1236 mMD - Pump thru annulus 300 gpm
11:30	13:00	1.5	1561	PT	12b	R/U Casing	Prepare RIH 10-3/4" perforated casing (40.5 ppf, L-80) - L/D Hawk Jaw - C/O 5" elevator to 10-3/4" casing elevator - R/U Varcoindo casing handling tools - Held pre job safety meeting - While pump thru annulus 300 gpm, no return.
13:00	17:00	4.0	1561	PT	12d	Run Casing	RIH 10-3/4" Perforated Casing (L-80, 40.5 ppf) from surface to 493 mMD (40 Jts: 38 Jts perforated, 2 Jts blind) - While pump thru annulus 700 gpm, No Return
17:00	17:30	0.5	1561	PT	12d	Run Casing	Prepare RIH 10-3/4" perforated casing + Running Tools - C/O Link Elevator - Install Liner Adaptor - L/D Varcoindo Handling Tools - Install Hawkjaws - While pump thru annulus 700 gpm, No Return
17:30	19:00	1.5	1561	PT	12d	Run Casing	Continue RIH 10-3/4" perforated casing + Running Tools (10x5" HWDP + 5" DP) from 493 mMD to 849 mMD, Tagged 10 klbs (top window) - P/U 133 klbs, S/O 119 klbs - While pump thru annulus 450-700 gpm, No Return
19:00	21:00	2.0	1561	PT	12f	Run Casing / Liner Problem	Attempt to RIH 10-3/4" perforated casing going deeper (No return) - Workpipe interval (45-133 klbs) while pump string FR 500 - 1100 GPM (several time), unsuccess - Tagged gradually while pump string FR 1100 GPM (several time), can go deeper from 849 mMD to 853 mMD (over pull 50-60 klbs at 853 mMD) - Workpipe interval (45-133 klbs) and tagged gradually while 85 bbls pump havis + lubricant 1% thru annulus (several time), unsuccess
21:00	23:30	2.5	1561	PT	12f	Run Casing / Liner Problem	POOH 10-3/4" perforated casing + Running Tools from 853 mMD to 493 mMD - Re-test running tools (NMS), Ok - Add string weight with 5 Jts 8" DC + 12 Jts 6-1/2" DC - While pump thru annulus 450 gpm, No Return
23:30	24:00	0.5	1561	PT	12f	Run Casing / Liner Problem	RBIH 10-3/4" perforated casing + Running Tools from 493 mMD to 545 mMD - While pump thru annulus 450 gpm, No Return
TOTAL HRS		24.0					

OPERATIONS FOR PERIOD 00:00 TO 05:00 HRS ON Thu, 22-Jun-2023

TIME, HH:MM		ELAPSED	DEPTH	PT/NPT	CODE	DESCRIPTION	OPERATIONS
START	END						
0:00	1:30	1.5	1561	PT	12f	Run Casing / Liner Problem	Continue RBIH 10-3/4" perforated casing + Running Tools (5 Jts 8" DC + 12 Jts 6-1/2" DC + 10 Jts HWDP + 5" DP) from 545 mMD to 853 mMD, tagged 10 klbs - P/U 133 klbs, S/O 119 klbs - While pump thru annulus 450 gpm, No Return
1:30	3:00	1.5	1561	PT	12f	Run Casing / Liner Problem	Attempt to RIH 10-3/4" perforated casing going deeper (No return) - Workpipe interval (90-180 klbs) while pump string FR 1000 GPM (several time), unsuccess - Tagged gradually until 45 while pump string FR 1000 GPM (several time), unsuccess - Workpipe interval (45-100 klbs) and tagged gradually while 85 bbls pump havis + lubricant 1% thru annulus (several time), unsuccess
3:00	5:00	2.0	1561	PT	12f	Run Casing / Liner Problem	POOH 10-3/4" perforated casing + Running Tools from 853 mMD to 545 mMD - While pump thru annulus 450 gpm, No Return

GENERAL COMMENTS	SIGNATURE	
	REPORTED BY	
<p>Progress Activity: 58% KOP: 166 mMD</p> <p>Estimated Mud Loss (24 Hrs) : ± 85 Bbls Estimated Cumulative Mud Loss : ± 26650 Bbls Estimated Water Loss (24 Hrs) : ± 16928 Bbls Estimated Cumulative Water Loss : ± 315379 Bbls</p> <p>NPT Record Rig Bundling Total NPT Record on April 2023 : Cumm 5 hrs Rig Bundling Total NPT Record on May 2023 : Cumm 17 hrs Rig Bundling Total NPT Record on June 2023 : Cumm 38 hrs - TDS : 0 Hrs / Cumm. 38 Hrs</p> <p>NPT Stuck Pipe : 1.5 Hrs / Cumm 135.5 Hrs NPT Reaming Unplanned : Cumm 130 hrs</p>	<p>KETUT DY. DRILLING SUPERVISOR</p>	<p>NISAR JAHRI RIG SUPERINTENDENT</p>

BIT RECORDS				12-1/4" PDC SMITH (RR#1) S.N QF8698 (BHA#33)			5" OEDP (BHA#34)			CASING			
17				DESCRIPTION	OD	Length	DESCRIPTION	OD	Length	Last Size	in	13-3/8"	
Bit Number	11RR#1									Set MD	m	1,011	
Bit Size	12-1/4"									Set TVD	m	925.0	
Bit Run	2			12 1/4" PDC Bit	12 1/4	0.29				Last FIT EMW	ppg	11.7	
Manufacturer/Type	SMITH/PDC			8" Bit Sub w/ Float Valve	8	0.95				Next Size	in	10-3/4"	
IADC Code				8" Pony DC	8	2.57				Set MD	m	1,317	
Jets	/32 in		1x18, 5x20, 1x22	11-1/2" Integral Blade Stab	11 1/2	2.46				TOL	m	1,300	
Serial #	QF8698			3 x 8" DC	8	27.93				MUD VOLUMES			
Depth In	m		1,181.0	X/O	6 7/9	0.92				Start	bbl	2,186	
Depth Out	m		1,561.0	3 x 6-1/2" DC	6 1/2	27.78				Lost Surface	bbl		
Meterage	m		380.00	9 x 5" HWDP	5	81.96				Lost DH	bbl	100	
Bit Hours	24 hrs		46,6 (Total)	6-1/2" JAR	6 1/2	6.4				Dumped	bbl	0	
TFA	in <sup>2</sup>		21537.000	16 x 5" HWDP	5	146.39				Built	bbl	100	
Tot Krev On Bttm			208.0	FS ADA	5	0.89				Ending	bbl	2,186	
Tot Krev			463.0							SOLID CONTROL EQUIPMENTS			
Dull Grade In	1-1-WT-A-X-IN-NO-BHA									SHAKERS	MODEL (TYPE)	SCREEN SIZE	
Dull Grade Out										Shaker #1	DERRICK (FLC-2000-4)	120/100/70	
										Shaker #2	DERRICK (FLC-2000-4)	120/100/70	
										Shaker #3	DERRICK (FLC-2000-4)	120/100/70	
										Mud Cleaner	DERRICK (FLC-2000-4)	230/230/230/230	
										Hi-G Dryer	FLC 2000-4		
										Centrifuge	DE-1000		
				Total		298.54		Total	0.00				
CUMULATIVE				CORROSION RING				BOP TEST				GAS	
Meterage	m	404.0	Install Date				Release Date	Location	Date 1	Date 2	Max. Gas	-	
Bit Hours	Hrs	46.6	10-Jun-23				1	Between HWDP & DP	18-Apr-23		Conn. Gas	-	
ROP	m/Hr	8.7	2				2	Between HWDP & DP			Trip Gas	-	
				DRILLING FLUID				MUD ADDITIVE				HYDRAULIC	
Mud Type	WATER		Active Tank		CI	mg/l	Active Tank		Type	Amount	Annular Vel	m/min	
Time	HH:MM	11:30	16:30	23:30	K	mg/l			XCD	3	Pb	psi	
MW in	ppg	8.3	8.3	8.3	MBT	lb/mbl			Caustic soda	1	Sys HHP		
MW out	ppg	8.3	8.3	8.3	Sand	%			Lubricant	1	HHPb	hp	
Temp in	degC				Solid Content	%					H5I	hp/in2	
Temp out	degC				Retort Water	%					% psi bit	%	
Pres. Grad	psi/ft				HGS	%					Jet Velocity	m/sec	
Funnel Visc	sec	27	27	27	LGS	%					Impact force	lbs	
PV	cP				600 RPM						1F/area	lbs/in2	
YP	lbf/100ft2				300 RPM						Type	Amount	
Gels	10 sec				200 RPM								
Gels	10 min				100 RPM								
Fluid Loss	mL/30min				6 RPM								
pH		6	6	6	3 RPM								
Fuel Tank Location				Usage (liters)				Received (liters)				On H&I (liters)	
Rig				58,782				16,000				68,159	
Base Camp				4,242								3,700	
Mini Camp													
TOTAL				63,024				7,165				16,000	