


PT Geo Dipa Energi (Persero)

DAILY DRILLING REPORT

PT. GEO DIPa ENERGI (Persero)

30-May-23



OPERATOR		PT. GEO DIPa ENERGI (Persero)		CONTRACTOR		JV ADA - APS		REPORT NO. #		41	
WELL / PAD NAME		PTH-BB-9A		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	USD 4,848,056.67
RIG POWER	HP	AVERAGE ROP (24 HRS)	M/HR	DAILY COST	USD 111,431.28
KB ELEVATION	Meter	AVERAGE SURFACE RPM / DHM		% AFE / CUMULATIVE COST	97.3% USD 4,718,854.53
MIDNIGHT DEPTH	Meter	ON / OFF BOTTOM TORQUE	KLBS-FT	DAILY MUD COST	USD 5,356.96
PROGRESS	Meter	FLOWRATE / SPP	gpm/PSI	CUMULATIVE MUD COST	USD 352,015.79
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. / ADI K.
RELEASE DATE		PUW/SOW/ROTW	KLBS	DRILLING SUPERINTENDENT	BUDI SETIAWAN
PLANNED DAYS	45	TOTAL DRILLING TIME	HRS	RIG SUPERINTENDENT	YANUAR GHOZALI
DAYS f/ RIG RELEASE		TON MILES	396.0	DRILLING ENGINEER	EKA DAYA SAMUDERA
				HSE SUPERVISOR	HERDEDI

24 HOURS SUMMARY

Cont'd Attempt to free stuck pipe at 1544 mMD (7-7/8" HS), mechanical back off

24 HOURS FORECAST

POOH string to surface, check string, drop and push 11-1/2" OD wooden plug with 5" OEDP, observasi loss, cement plug jobs

STATUS 05:00 Hrs

31-May-23

Prepare ROH 11-1/2" OD wooden plug

SAFETY PERFORMANCE		HOURS RECORD		HAZARD MANAGEMENT		EMERGENCY DRILLS	
Nearmiss		KM Hrs Light Vehicle	80	JSA/HIRA	11	H2S Drill	18-Apr-23
Incidents		KM Hrs Heavy Equipment	25	PTW	11	BOP Drill/ Kick Drill	
Last MTI		Total Daily Personnel	203	Pre Tour Meeting	2	Fire Drill	17-Apr-23
Last LTI		Daily Safe Manhours / Cum Safe Manhours	2,436/1,406,320	Observation Card	257	Trip Drill	
Days w/out LTI	607.00	DWLT Since	1-Oct-21	Safety Inspection/ Training	15/1	Medivac Drill	17-Apr-23

ACCIDENT/ INCIDENT SUMMARY

N/A

SAFETY ISSUES

N/A

ENVIRONMENTAL RECORD		OCCUPATIONAL HEALTH RECORD	
Domestic Waste (m3)	4	Hazardous Waste (kg)	
Hazardous Waste/B3 (kg)		Drill Cutting Vol (Jumbo bag)	2
Spill Incidents (barrels)		Other (BB)	
Enviro/ Community Issue		Cummulative 24 Hrs	

Fit for duty / MCU (person)

92/1

Clinic Visit

7

Number of Work Related Illnesses

Occupational Health Issue

TIME BREAKDOWN

OPERATIONS FOR PERIOD 00:00 TO 24:00 HRS O Tue, 30-May-23

TIME, HH:MM		ELAPSED	DEPTH	PT/NPT	CODE	DESCRIPTION	OPERATIONS
START	END						
0:00	11:00	11.0	1561	NPT	2j	Stuck Pipe Include Handling operations	Cont'd Attempt to free stuck pipe with circulation and workpipe at 1544 mMD : foam 28 gph, corhib 8 gph, FR 100 gpm, SPP 1010 psi, air rate 2800 SCFM, ADA press 1280 psi, intermittent - return While work pipe 100 - 320 klbs and rotate string several time Unsuccess Cont'd Attempt to free stuck pipe with circulation and workpipe at 1544 mMD : foam 28 gph, corhib 8 gph, FR 300 - 800 gpm, SPP 1010-2350 psi, air rate 1000-2800 SCFM, ADA press 1280-2450 psi, intermittent - return While work pipe 100 - 320 klbs and rotate string several time - Got cutting : Lithic Coarse Pyroclastic, IO 50%, cutting 1-5 mm Unsuccess Cont'd Attempt to free stuck pipe with circulation and workpipe at 1544 mMD : foam 28 gph, corhib 8 gph, FR 300 gpm, SPP 1010-1400, air rate 2200 SCFM, ADA press 1280-1500 psi, intermittent - return While work pipe 80 - 320 klbs and rotate string several time - Got cutting : Lithic Coarse Pyroclastic, IO 50%, cutting size 1-5 mm Unsuccess Cont'd Attempt to free stuck pipe at 1544 mMD with swept Low-Visc + 2% lubricant 50 bbls Parameter : Foam 28 gph, corhib 8 gph, FR 300 gpm, SPP 1000-1200 psi, air rate 2200 SCFM, ADA press 1280-1400 psi, intermittent - return While work pipe 80 - 320 klbs and rotate string several time Unsuccess Cont'd Attempt to free stuck pipe with circulation and workpipe at 1544 mMD : foam 32 gph, corhib 14 gph, FR 300 gpm, SPP 1100-1200, air rate 2400 SCFM, ADA press 1300-1400 psi, intermittent - return While work pipe 80 - 320 klbs and rotate string several time Unsuccess Cont'd Attempt to free stuck pipe with circulation and workpipe at 1544 mMD : foam 32 gph, corhib 14 gph, FR 560 gpm, SPP 1880-1910, air rate 2400 SCFM, ADA press 1970 psi, intermittent - return While work pipe 105 - 320 klbs and rotate string several time Unsuccess - Swept Low-Visc + 2% lubricant 50 bbls Cont'd Attempt to free stuck pipe with circulation and workpipe at 1544 mMD : foam 32 gph, corhib 14 gph, FR 560 gpm, SPP 1880-1910, air rate 2400 SCFM, ADA press 1970 psi, intermittent - return While work pipe 105 - 340 klbs and rotate string several time Unsuccess
11:00	13:00	2.0	1561	NPT	2j	Stuck Pipe Include Handling operations	Cont'd Attempt to free stuck pipe with circulation and workpipe at 1544 mMD : FR 880-930 gpm, SPP 2180-2440 psi, no return While work pipe 105 - 340 klbs and rotate string several time Unsuccess - Swept 50 bbls Low-Visc
13:00	16:00	3.0	1561	NPT	2j	Stuck Pipe Include Handling operations	Cont'd Attempt to free stuck pipe with circulation and workpipe at 1544 mMD : foam 28 gph, corhib 14 gph, FR 300-550 gpm, SPP 1380-1890, air rate 2800 SCFM, ADA press 1470-1980 psi, intermittent - return While work pipe 105 - 340 klbs and rotate string several time, Unsuccess - Swept 2x50 bbls Low-Visc
16:00	18:30	2.5	1561	NPT	2j	Stuck Pipe Include Handling operations	Cont'd Attempt to free stuck pipe at 1544 mMD with jarring up 3X, unsuccess after trying several times it doesn't work
18:30	23:00	4.5	1561	NPT	2j	Stuck Pipe Include Handling operations	Cont'd Attempt to free stuck pipe with circulation and workpipe at 1544 mMD : foam 20 gph, corhib 10 gph, FR 250 gpm, SPP 1000, air rate 2500 SCFM, ADA press 1100 psi, return While work pipe 105 - 360 klbs and rotate string several time, Unsuccess - Got cutting : Lithic Coarse Pyroclastic, IO 50%, cutting size 1-10 mm - with jarring up 1x, after trying several times it doesn't work Unsuccess Cont'd Attempt to free stuck pipe with circulation and workpipe at 1544 mMD : foam 20 gph, corhib 10 gph, FR 250 gpm, SPP 1000 psi, air rate 2500 SCFM, ADA press 1100 psi, return Position string tension 320 klbs, there decrease hookload from 320 klbs to 270 klbs, perform work pipe 100 - 360 klbs and try rotate Unsuccess Cooling down with pump FR 800 GPM, air rate 1000 SCFM foam 20 gph, corhib 10 gph, FR 250 gpm, SPP 1000 psi, ADA press 1100 psi, return While work pipe 105 - 360 klbs and rotate string several time, Unsuccess Cont'd Attempt to free stuck pipe with circulation and workpipe at 1544 mMD : foam 20 gph, corhib 10 gph, FR 150 gpm, SPP 1000-1150 psi, air rate 2800 SCFM, ADA press 1100-1450 psi, return Position string tension 330 klbs, there decrease hookload from 330 klbs to 270 klbs Unsuccess
23:00	23:30	0.5	1561	NPT	2j	Stuck Pipe Include Handling operations	Prepare for mechanical back off : - Inspection drop object by RIG and TDS - B/O and L/D 1 joint 5" DP - while pump thru annulus 510 gpm, intermitten - no return PDSM
23:30	24:00	0.5	1561	NPT	2j	Stuck Pipe Include Handling operations	Mechanical back off jobs : - Thighen string at 22 klb.ft, tension 200-120 klbs (P/U to S/O 3x), released torque - At neutral position (150 klbs), TQ 20 klb.ft reverse, tension 200-120 klbs (P/U to S/O 3x), released torque - At neutral position (150 klbs), TQ 25 klb.ft reverse, tension 200-120 klbs (P/U to S/O 1x), Ok, hookload decrease from 200 klbs (P/U weight) to 160 klbs Estimated Mud Loss (24 Hrs) : ± 385 Bbls. Estimated Cumulative Mud Loss : ± 19291 Bbls Estimated Water Loss (24 Hrs ) : ± 8988 Bbls. Estimated Cumulative Water Loss : ± 94008 Bbls
TOTAL HRS		24.0					

OPERATIONS FOR PERIOD 00:00 TO 05:00 HRS ON							Wed, 31-May-2023	
TIME, HH:MM			DEPTH	PT/NPT	CODE	DESCRIPTION	OPERATIONS	
START	END	ELAPSED						
0:00	4:30	4.5	1561	PT	6d	Trip in / out Drilling BHA	<b>POOH String (After mechanical back off) to surface</b> - Uninstall rubber rotating head ADA at 991 mMD - Found loose connection beetwen 5" DP #18 and #17- tighten and R/B - Uninstall Corrosion ring at 209 mMD - Fish : 7 joints 5" HWDP + 1 joint 6.5" DC + 7-1/4" Bit Sub w/ Float Valve + 7.875" TCB Bit (IADC 537) left behind hole, Total length fish 74 mtr - Estimates top fish at 1470 mMD - while pump thru annulus 900 gpm , intermittent- PLC - Observed PLC : 11 BPM	
0:00	5:00	5.0	1561	PT	17c	Plugback - other	<b>Prepare RIH 11-1/2" OD wooden plug</b> - while pump thru annulus 900 gpm, return	
GENERAL COMMENTS							SIGNATURE	
							REPORTED BY	
<b>Progress Activity: 58%</b>  <b>KOP: 166 mMD</b>  Estimated Mud Loss (24 Hrs) : ± 385 Bbls. Estimated Cumulative Mud Loss : ± 19291 Bbls Estimated Water Loss (24 Hrs) : ± 8988 Bbls. Estimated Cumulative Water Loss : ± 94008 Bbls  NPT Record Rig Bundling Total NPT Record on April 2023 : Cumm 5 hrs Rig Bundling Total NPT Record on May 2023 : 17 hrs  NPT Stuck Pipe : Cumm 23 hrs / 53.5 Hrs NPT Reaming Unplanned : Cumm 111.5 hrs							<div>KETUT DY. DRILLING SUPERVISOR</div> <div>YANUAR GHOZALI RIG SUPERINTENDENT</div>	

BIT RECORDS				BHA #15 (7-7/8" BHA + Mud Motor)			BHA #16 (7-7/8" BHA + Slick BHA)			CASING		
8		9		DESCRIPTION	OD in	Length m	DESCRIPTION	OD in	Length m	Last Size	in	9-7/8"
Bit Number	6RR#2	Bit Number	7RR#1 <th>Set MD</th> <td>m</td> <td>1,518</td>							Set MD	m	1,518
Bit Size	in 9 7/8	Bit Size	7 7/8	Set TVD	m	1,322.0						
Bit Run	3	Bit Run	2	Last FIT EMW	ppg							
Manufacturer/Type	Smith / FH300D1VPS	Manufacturer/Type	Smith / F57YODPS	Next Size	in	7-7/8"						
IADC Code	537	IADC Code	537	Set MD	m	1,850						
Jets /32 in	2x30; 1x32	Jets /32 in	3x32	TOL	m	1,500						
Serial #	RP2122	Serial #	RP1352	MUD VOLUMES								
Depth In	m 1,562.0	Depth In	1,562.0	Start	bbl	2,173						
Depth Out	m 1,562.0	Depth Out	1,562.0	Lost Surface	bbl	0						
Meterage	m 0.0	Meterage	0.0	Lost DH	bbl	385						
Bit Hours	24 hrs 0.00	Bit Hours	3.46	Dumped	bbl	0						
TFA	in <sup>2</sup> 2.166	TFA	2.356	Built	bbl	385						
Tot Krev On Bttm	0.0	Tot Krev On Bttm	19.10	Ending	bbl	2,173						
Tot Krev	0.0	Tot Krev	497.4	SOLID CONTROL EQUIPMENTS								
Dull Grade In	1-1-WT-A-E-I-NO-BHA	Dull Grade In	1-1-WT-A-E-I-NO-TD	SHAKERS	MODEL (TYPE)	SCREEN SIZE						
Dull Grade Out	1-1-WT-A-E-I-NO-BHA	Dull Grade Out	1-1-WT-A-E-I-CT-TD	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							
				GAS								
CUMULATIVE				CORROSION RING		BOP TEST		Max. Gas		-		
Meterage	m 0.0	Install Date		Release Date	Location	Date 1	Date 2	Conn. Gas		-		
Bit Hours	Hrs 3.5	1 21-May-23		1 24-May-23	Between Lock Sub & DP	18-Apr-23		Trip Gas		-		
ROP	m/Hr 0.0	2 26-May-23		2 26-May-23	Between Lock Sub & DP			Back Gas		-		
DRILLING FLUID												
Mud Type	Active Tank			CI	mg/l	Active Tank		Type	Amount	HYDRAULIC		
	Time	HH:MM	Water			Water	Time			HH:MM	Annular Vel	m/min
Time	11:30	16:30	23:30	K	mg/l			XCD Polymer	10	Pb	psi	
MW in	ppg 8.3	8.3	8.3	MBT	lb/bbl			Caustic soda	21	Sys HHP		
MW out	ppg 8.3	8.3	8.3	Sand	%			Defoamer	1	HHPb	hp	
Temp in	degC 48	48	49	Solid Content	%			Lubricant	6	HSI	hp/in2	
Temp out	degC 87	88	70	Retort Water	%					% psi bit	%	
Pres. Grad	psi/ft			HGS	%					Jet Velocity	m/sec	
Funnel Visc	sec	27	27	LGS	%					Impact force	lbs	
PV	cP			600 RPM						IF/area	lbs/in2	
YP	lb/100R2			300 RPM						Type	Amount	
Gels	10 sec			200 RPM								
Gels	10 min			100 RPM								
Fluid Loss	mL/30min			6 RPM								
pH		9	9	3 RPM								
27												
Fuel Tank Location		Balanced Yesterday (liters)			Usage (liters)		Received (liters)		On H& (liters)			
Rig		81,008			Rig Engines + Others	7,057	16,000		79,146			
					Light Vehicle/HDE	775						
Base Camp		6,248			Non Rig Bundling	10,030						
Mini Camp					Engine Basecamp	396			5,852			
TOTAL		87,256			18,258		16,000		84,998			
WEATHER												
TEMP (°C)		FOGGY & RAINING			BAROMETRIC		WELLSITE		LOCATION CONDITION			
HIGH	LOW	TIME		RAIN DEGREE	PRESS (ATM)	ELEVATION (M)	WIND SPEED (KM/H)	BASECAMP	ACCESS ROAD	WELLSITE		
19	13					1968.00		Muddy	Wet	Muddy		
MWD / GYRO SURVEY												
MD (m)		TVD (m)	Incl. (deg)	Azm (deg)	DLS (°/30 m)	Distance to Plan, m		Above / Below f/ Plan, m		Right / Left f/ Plan, m		
PERSONNEL												
COMPANY		ON BOARD	ON SITE	COMPANY		ON BOARD	ON SITE	MUD PUMPS				
GDE		5		GEOLOGIST		1		PUMP NO.	1	2	3	
APS		84		JV ADA-APS		3		Time	hh:mm			
ETI		23		LEKOMARAS		0		Slow Speed?	y/n	N	N	
HALLIBURTON CEMENTING		6		SCHLUMBERGER		0		Liner Lgt/Siz	in	12/7	12/7	
AERATED		5		BAKER		2		Capacity	bbl/stk	0.1429	0.1429	
INTRAFOOD		19		NMS		0		Efficiency	95%	0.1357	0.1357	
IMS		23		VARCO		4		Strokes	SPM	80	80	
PARAMA DATA UNIT		6		NOV CORING		4		Flow Rate	gpm	456	456	
DYFCO		4		NPS		4		Pressure	psi	1,050	1,050	
PRIMA HIDROKARBON		3		RDN TOP DRIVE		4		PRV	psi	2,900	2,900	
HALLIBURTON SPERRY		4		BSM MEDIC		3						
TOTAL POB :		203										
HEAVY DUTY EQUIPMENTS ON SITE												
VEHICLE		TYPE	HIRED BY		LOCATION		REMARKS					
Crawler Crane	Kobelco	80T	APS		PPL-02							
Forklift		5T	APS		PPL-02							
Forklift		15T	APS		L/D Area							
Roughter Crane	Kato	55T	APS		PPL-02							