


PT Geo Dipa Energi (Persero)

DAILY DRILLING REPORT

PT. GEO DIPA ENERGI (Persero)

20-Jun-23



OPERATOR		PT. GEO DIPA ENERGI (Persero)		CONTRACTOR		JV ADA - APS		REPORT NO. #		62	
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	1,500	AVERAGE ROP (24 HRS)	M/HR			DAILY COST	
KB ELEVATION	Meter	11.00	AVERAGE SURFACE RPM / DHM				% AFE / CUMULATIVE COST	#DIV/0!
MIDNIGHT DEPTH	Meter	1,561.00	ON / OFF BOTTOM TORQUE	KLBS-FT			DAILY MUD COST	
PROGRESS	Meter	0.00	FLOWRATE / SPP	gpm/PSI			CUMULATIVE MUD COST	
PROPOSED TD	Meter	2200	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	70	TOTAL DRILLING TIME	HRS				RIG SUPERINTENDENT	NISAR JAHRI
DAYS f/ RIG RELEASE		TON MILES		456.0			DRILLING ENGINEER	EKA DAYA SAMUDERA
							HSE SUPERVISOR	DIAZ P.

24 HOURS SUMMARY

Attempt to free stuck pipe. Mechanical back off job. POOH string (after mechanical back off) to 553 mMD.

24 HOURS FORECAST

RIH open end 5" DP to tag TOF. Fishing job. Running 10-3/4" Perforated Liner

STATUS 05:00 Hrs 21-Jun-23

RIH OEDP 5" to tag top of fish from surface at 1070 mMD.

SAFETY PERFORMANCE		HOURS RECORD		HAZARD MANAGEMENT		EMERGENCY DRILLS	
Nearmiss		KM Hrs Light Vehicle	127	JSA/ HIRA	21	H2S Drill	3-Jun-23
Incidents		KM Hrs Heavy Equipment	13	PTW	21	BOP Drill/ Kick Drill	
Last MTI		Total Daily Personnel	211	Pre Tour Meeting	2	Fire Drill	17-Apr-23
Last LTI		Daily Safe Manhours / Cum Safe Manhours	2,532/1,456,948	Observation Card	224	Trip Drill	
Days w/out LTI	628.00	DWLT Since	1-Oct-21	Safety Inspection/ Training	13/1	Medivac Drill	3-Jun-23

ACCIDENT/ INCIDENT SUMMARY		SAFETY ISSUES	
N/A		N/A	

ENVIRONMENTAL RECORD		OCCUPATIONAL HEALTH RECORD	
Domestic Waste (m3)	0	Fit for duty / MCU (person)	93/5
Hazardous Waste/B3 (kg)		Clinic Visit	6
Spill Incidents (barrels)		Number of Work Related Illnesses	
Enviro/ Community Issue		Occupational Health Issue	

TIME BREAKDOWN

OPERATIONS FOR PERIOD 00:00 TO 24:00 HRS ON Tue, 20-Jun-23

TIME, HH:MM			DEPTH	PT/NPT	CODE	DESCRIPTION	OPERATIONS
START	END	ELAPSED					
0:00	5:00	5.0	1561	NPT	2j	Stuck Pipe Include Handling operations	Cont'd Attempt to free stuck pipe with work on pipe range 1547.3 -1550.8 mMD. Return- Intermitten - Parameter : FR 200-500 gpm, SPP 1650-2100 psi, apply torq up to 25 klb.ft, ADApress 1800-2150 psi, aerated rate 2400-2800 SCFM, Foam/Corr Inhib : 10/6 gph, Hookload 100 - 370 klbs. Return - Tension with hookload 370 klbs for 10-30 minutes - Rotate after tension, TQ up to 25 klb.ft, stall - Put string on weight 80 klbs for 10-15 minutes - Swept Hi-Visc 50 bbls at 1548 mMD - Bloolie line temp: 82°-124°C - Estimates gain rate at full return : 2.1-2.3 BPM
5:00	12:00	7.0	1561	NPT	2j	Stuck Pipe Include Handling operations	Attempt to free stuck pipe with tension string hookload 360 klbs for 7 hrs at 1546.8 mMD - Parameter : FR 200-500 gpm (string), FR 200 gpm (annulus), SPP 1550-2200 psi, ADApress 1600-2300 psi, aerated rate 2600 SCFM, Foam/Corr Inhib : 10/6 gph, Return - Bloolie line temp: 110°-127°C - Estimates gain rate at full return : 2.1-2.3 BPM until 10:00 Hrs
12:00	13:30	1.5	1561	NPT	2j	Stuck Pipe Include Handling operations	Cont'd Attempt to free stuck pipe with tension string hookload 360 klbs for 1.5 hrs at 1546.8 mMD - Parameter : FR 450 gpm (string), FR 300 gpm (annulus), SPP 1600-1700 psi, ADApress 1650-1800 psi, aerated rate 2600 SCFM, Foam/Corr Inhib : 10/6 gph, Return. - Pump string with limping pump - Bloolie line temp: 120°-127°C
13:30	15:30	2.0	1561	NPT	2j	Stuck Pipe Include Handling operations	Attempt to free stuck pipe with work on pipe range 1546.3 -1549.1 mMD. Return - Parameter : FR 350 gpm (string) FR 300-360 gpm (annulus), SPP 1600-1830 psi, apply torq up to 26 klb.ft, ADApress 1650-1950 psi, aerated rate 2600 SCFM, Foam/Corr Inhib : 10/6 gph, Hookload 80 - 360 klbs. Return. Found leaking at 10" target tee and separator ADA, decreased from 2600 to 1500 SCFM and bypass aerated @15:30 Hrs.
15:30	16:30	1.0	1561	NPT	2j	Stuck Pipe Include Handling operations	Attempt to free stuck pipe with tension hookload 360 klbs at 1547 mMD - Parameter : FR 600-810 gpm (string), FR 360 gpm (annulus), SPP 1450-1700 psi, Return - At 16:00 Hrs, no return and 16:20 Hrs stop pump annulus while repaired 10" target tee
16:30	18:00	1.5	1561	NPT	2j	Stuck Pipe Include Handling operations	Continue work on stuck pipe interval 1548-1551 mMD. - Attempt to jar up (75-370 klbs). Fire.83x. No Progress
18:00	20:30	2.5	1561	NPT	2j	Stuck Pipe Include Handling operations	Attempt to free stuck pipe while working pipe interval 1548-1551 mMD - FR 600-800 gpm (string), SPP 1200-1300 psi, hookload 100-350 klbs. No Return
20:30	22:00	1.5	1561	NPT	2j	Stuck Pipe Include Handling operations	Mechanical back off job - PJSM prior mechanical back of job - Inspection drop object by RIG and TDS - Increase M/U torque on saver sub to 28 klb.ft - Tighten string at 25 klb.ft, Work on pipe 160-200 klbs, Work on pipe 130-160 klbs then released torque. - Applied left hand torque gradually from 5-15 klb.ft. Work on pipe 160-200 klbs. Increase left hand torque to 20 klb.ft. Work on pipe 140-200 klbs. Hookload drop to 125 klbs (lose 43 klbs). Estimate TOF at 1289 mMD.
22:00	0:00	2.0	1561	NPT	2j	Stuck Pipe Include Handling operations	POOH string (after mechanical back off) to 553 mMD. TLC - While pump thru annulus 620 gpm - Uninstall RRR ADA at 559 mMD
TOTAL HRS		24.0					

OPERATIONS FOR PERIOD 00:00 TO 05:00 HRS ON Wed, 21-Jun-2023

TIME, HH:MM

START	END	ELAPSED	DEPTH	PT/NPT	CODE	DESCRIPTION	OPERATIONS
0:00	1:30	1.5	1561	NPT	2j	Stuck Pipe Include Handling operations	Cont'd 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 stringblade + 8" B/S with FV + 8" PONY DC + 11.5" IB STAB + 3x8" DC+ X-over Sub (6-5/8 RegPx4-1/2 Reg B) + 3x6.5" DC + 9x5" HWDP + 6.5" SJ JAR + 9x5" HWDP - Estimate top fish at 1317 mMD
1:30	2:30	1.0	1561	NPT	19a	Fishing Operations	RIH OEDP 5" to tag top of fish from surface to 1070 mMD. TLC - While pump thru annulus 600 gpm - Check and re-torque every joint connection

GENERAL COMMENTS	SIGNATURE	
	REPORTED BY	
<p>Progress Activity: 58%</p> <p>KOP: 166 mMD</p> <p>Estimated Mud Loss (24 Hrs) : ± 0 Bbls</p> <p>Estimated Cumulative Mud Loss : ± 26565 Bbls</p> <p>Estimated Water Loss (24 Hrs) : ± 4487 Bbls</p> <p>Estimated Cumulative Water Loss : ± 298450 Bbls</p> <p>NPT Record</p> <p>Rig Bundling Total NPT Record on April 2023 : Cumm 5 hrs</p> <p>Rig Bundling Total NPT Record on May 2023 : Cumm 17 hrs</p> <p>Rig Bundling Total NPT Record on June 2023 : Cumm 38 hrs</p> <p>- TDS : 0 Hrs / Cumm. 38 Hrs</p> <p>NPT Stuck Pipe : 24 Hrs / Cumm 134 Hrs</p> <p>NPT Reaming Unplanned : Cumm 130 hrs</p>	<p>KETUT D. Y.</p> <p>DRILLING SUPERVISOR</p>	<p>NISAR JAHRI</p> <p>RIG SUPERINTENDENT</p>

BIT RECORDS			12-1/4" PDC SMITH (New) S.N QF8698 (BHA#32)			12-1/4" PDC SMITH (RR#1) S.N QF8698 (BHA#33)			CASING		
16			17						Last Size	in	13-3/8"
Bit Number	12	11RR#1	DESCRIPTION	OD	Length	DESCRIPTION	OD	Length	Set MD	m	1,011
Bit Size	12-1/4"	12-1/4"		in	m		in	m	Set TVD	m	925.0
Bit Run	1	2	12 1/4" PDC Bit	12 1/4	0.33	12 1/4" PDC Bit	12 1/4	0.29	Last FIT EMW	ppg	11.7
Manufacturer/Type	SMITH/PDC	SMITH/PDC	8" Terra Force Lube	8	9.50	8" Bit Sub w/ Float Valve	8	0.95	Next Size	in	10-3/4"
IADC Code			8" Float Sub	8	0.58	8" Pony DC	8	2.57	Set MD	m	1,800
Jets	/32 in	1x18, 5x20, 1x22	11 3/4" Integral Blade Stab	8	2.41	11-1/2" Integral Blade Stab	11 1/2	2.46	TOL	m	1,770
Serial #	QF8698	QF8698	8" Pony NMDC	8	2.94	3 x 8" DC	8	27.93			
Depth In	m	1,157.0	8" EM Repeater Sub	8	1.89	X/O	6 7/9	0.92	MUD VOLUMES		
Depth Out	m	1,181.0	8" EM Antenna Sub	8	27.93	3 x 6-1/2" DC	6 1/2	27.78	Start	bbl	2,186
Meterage	m	24.00	3 x 8" DC	8	0.51	9 x 5" HWDP	5	81.96	Lost Surface	bbl	
Bit Hours	24 hrs	2.70	X/O	6 7/9	9.11	6-1/2" JAR	6 1/2	6.4	Lost DH	bbl	
TFA	in ²	2.154	1X6-1/2" DC	6 1/2	82.04	16 x 5" HWDP	5	146.39	Dumped	bbl	60
Tot Krev On Bttm		30.4	9 x 5" HWDP	5	6.4	FS ADA	5	0.89	Built	bbl	60
Tot Krev		78.3	6-1/2" JAR	6 1/2	146.39				Ending	bbl	2,186
Dull Grade In		NB	16 x 5" HWDP	5					SOLID CONTROL EQUIPMENTS		
Dull Grade Out		1-1-WT-A-X-IN-NO-BHA							SHAKERS	MODEL (TYPE)	SCREEN SIZE
									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	404.0	Install Date		Release Date	Location	Date 1	Date 2	Conn. Gas		-
Bit Hours	Hrs	46.6	10-Jun-23	1	Between HWDP & DP	Between HWDP & DP	18-Apr-23		Trip Gas		-
ROP	m/Hr	8.7	2	2	Between HWDP & DP	Between HWDP & DP			Back Gas		-
			DRILLING FLUID			MUD ADDITIVE			HYDRAULIC		
Mud Type	WATER	Active Tank	WATER	CI	mg/l	Active Tank	Type	Amount	Annular Vel	m/min	
Time	HH:MM	11:30	16:30	23:30	K	mg/l	XCD	6	Pb	psi	
MW in	ppg	8.3	8.3	8.3	MBT	lb/bbl			Sys HHP		
MW out	ppg	8.3	8.3	8.3	Sand	%			HHPb	hp	
Temp in	degC				Solid Content	%			HSI	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				IF/area	lbs/in2	
YP	lbf/100ft ²				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& (liters)		
Rig			56,008			16,000			58,782		
Base Camp			4,642						4,242		
Mini Camp											
TOTAL			60,650			13,626			16,000		