


PT Geo Dipa Energi (Persero)

DAILY DRILLING REPORT  
PT. GEO DIPa ENERGI (Persero)  
17-May-23



OPERATOR		PT. GEO DIPa ENERGI (Persero)		CONTRACTOR		JV ADA - APS		REPORT NO. #		28	
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		
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.	DRADIAT S. - KETUT D.Y. / EVI R.	
RELEASE DATE		PUW/SOW/ROTW	KLBS	195/115/147		DRILLING SUPERINTENDENT	BUDI SETIAWAN	
PLANNED DAYS	45	TOTAL DRILLING TIME	HRS			RIG SUPERINTENDENT	NISAR JAHRI	
DAYS f/ RIG RELEASE		TON MILES		532.0		DRILLING ENGINEER	EKA DAYA SAMUDERA	
						HSE SUPERVISOR	DIAZ P.	

24 HOURS SUMMARY

CHC inside 10-3/4" shoe. POOH pump out 9-7/8" TCI f/ 1468 mMD to 975 mMD. CHC inside 13-3/8" shoe. RBIH 9-7/8" TCI from 975 mMD to 1450 mMD. CHC inside 13-3/8" shoe. Reaming down from 1450 mMD to 1560 mMD. CHC interval 1552-1558 mMD. POOH pump out 9-7/8" TCI from 1560 mMD to 953 mMD.

24 HOURS FORECAST

Circulate hole clean @10-3/4" TOL. RBIH to check fill. Circulate hole clean at bottom. DOF 9-7/8" HS w/ rotary BHA to casing point ±(1850 mMD - 1900 mMD)

STATUS 05:00 Hrs 18-May-23

Reaming down at 1524 mMD

SAFETY PERFORMANCE		HOURS RECORD		HAZARD MANAGEMENT		EMERGENCY DRILLS	
Nearmiss		KM Hrs Light Vehicle	110	JSA/HIRA	15	H2S Drill	18-Apr-23
Incidents		KM Hrs Heavy Equipment	25	PTW	15	BOP Drill/ Kick Drill	
Last MTI		Total Daily Personnel	204	Pre Tour Meeting	2	Fire Drill	17-Apr-23
Last LTI		Daily Safe Manhours / Cum Safe Manhours	2.448/1.375.972	Observation Card	206	Trip Drill	
Days w/out LTI	594.00	DWLT Since	1-Oct-21	Safety Inspection/ Training	12/1	Medivac Drill	17-Apr-23

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

ENVIRONMENTAL RECORD		OCCUPATIONAL HEALTH RECORD	
Domestic Waste (m3)	0	Fit for duty / MCU (person)	93/4
Hazardous Waste/B3 (kg)		Clinic Visit	1
Spill Incidents (barrels)		Number of Work Related Illnesses	
Enviro/ Community Issues		Occupational Health Issue	

TIME BREAKDOWN

OPERATIONS FOR PERIOD 00:00 TO 24:00 HRS ON Wed, 17-May-23

TIME, HH:MM			DEPTH	PT/NPT	CODE	DESCRIPTION	OPERATIONS
START	END	ELAPSED					
0:00	2:00	2.0	1562	PT	5a	Circulate / Condition Mud	Circulate hole clean while working pipe inside 10-3/4" shoe (interval 1468 - 1441 mMD). Return - FR 950 gpm, SPP 1235 psi, RPM 30, TQ 7-9 klb.ft. - Swept 2x50 bbls hi-vis - Found cutting : 50% IO
2:00	7:30	5.5	1562	PT	6g	Wiper / Conditioner Trip	POOH pump out 9-7/8" TCI f/ 1468 mMD to 975 mMD - FR 900-950 gpm, SPP 1100-1200 psi, RPM 30, TQ 8-19 klb.ft - Got overpulled @1320 mMD, 1262 mMD, 1171 mMD 25 klbs - Swept Hi-Vis 50 bbls 1262 mMD, 973 mMD, 949 mMD - Increase FR @ 1115 mMD f/ 950 to 1000 gpm , SPP 1250 psi, RPM 30, TQ 5.5-19 klb.ft
7:30	8:30	1.0	1562	PT	5a	Circulate / Condition Mud	Circulate hole clean while working pipe inside 13-3/8" shoe (Interval 947-975 mMD) Parameter FR 900 gpm, SPP 1050-1100 psi, Return. - Swept 2x50 bbls hi-visc
8:30	11:00	2.5	1562	PT	6g	Wiper / Conditioner Trip	RBIH 9-7/8" TCI from 975 mMD to 1450 mMD - Washdown from 1170 mMD - 1205 mMD with FR 1100 gpm, tag weight 5 klbs at 1171 mMD. SPP 1500 psi. - Swept 50 bbls Hi-vis at 1205 mMD, circulate while working pipe - Rackback 2 stand to 1150 mMD - RBIH from 1150 mMD to 1450 mMD, swept hi-visc 50 bbls at 1204 mMD - Check P/U-R/W-S/O at 1450 mMD 180-135-118 klbs
11:00	11:30	0.5	1562	PT	5a	Circulate / Condition Mud	Circulate hole clean while working pipe inside 13-3/8" shoe (Interval 1437-1450 mMD) Parameter FR 900-1100 gpm, SPP 1100-1275 psi -Swept Hi-Visc 2x50 bbls
11:30	15:30	4.0	1562	PT	3a	Wash / Reaming / Backreaming	Reaming down from 1450 mMD to 1560 mMD. Parameter WOB 5-15 klbs, FR 1100 gpm, SPP 1200-1700 psi, RPM 60-60, TQ 8-10 klbft. - Encountered PLC, rate 0.6-1.2 bpm. - Encountered spike TQ to 17 klbft at 1525 mMD - Check P/U-R/W-S/O at 1553 mMD 195-147-115 klbs - Encountered stall at 1559 mMD - Cutting reaming @1560 mMD, IO 60% Note: added 2% KCL at 1524 mMD
15:30	18:30	3.0	1562	PT	5a	Circulate / Condition Mud	Circulated hole clean while working pipe interval 1552-1558 mMD with FR 1100 gpm, SPP 1820 psi, RPM 61, TQ 7 klbft - Swept Lo-Visc 30 bbls + 2% KCL tandem Hi-Visc 50 bbls at 1554 mMD - Encountered PLC, rate 0.8-1.3 bpm.
18:30	0:00	5.5	1562	PT	6g	Wiper / Conditioner Trip	POOH pump out 9-7/8" TCI from 1560 mMD to 953 mMD - FR 1100 gpm, SPP 1250-1800 psi - Got overpulled 25 klbs @: 1147 mMD, @1117 mMD, @1091 mMD, @1061 mMD, @1032 mMD - Swept Hi-Vis 50 bbls @1031 mMD - Encountered PLC, rate 0.5-1 bpm
TOTAL HRS		24.0					

OPERATIONS FOR PERIOD 00:00 TO 05:00 HRS ON Thu, 18-May-2023									
TIME, HH:MM			DEPTH	PT/NPT	CODE	DESCRIPTION	OPERATIONS		
START	END	ELAPSED							
0:00	1:30	1.5	1562	PT	5a	Circulate / Condition Mud	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	PT	6g	Wiper / Conditioner Trip	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	5:00	1.5	1562	NPT	3b	Wash / Reaming / Backreaming Unplanned	Reaming down f/ 1517 mMD to 1524 mMD - FR 1100 gpm, SPP 1680 psi, RPM 40, TQ 9 - 11 klb.ft - Work on pipe range depth 1496-1524 mMD, FR 1100 gpm, SPP 1550 psi, RPM 40, TQ 9 - 11 klb.ft - Found cutting @1517 mMD 50-60% IO - Swept Hi-Visc 50 bbls @1522 mMD - Encountered PLC, rate 0.2-0.3 bpm.		
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>Total NPT Record on May 2023 : - hrs</p> <p>NPT Stuck Pipe : Cumm 0.5 Hrs</p>									
							DRADJAT S / KETUT D. Y DRILLING SUPERVISOR		
							NISAR JAHRI RIG SUPERINTENDENT		

BIT RECORDS				BHA #09 8-1/4" Coring			BHA #10 9-7/8" Rotary			CASING								
		6	7								Last Size	in	17.5					
Bit Number		6	6RR#2	DESCRIPTION	OD in	Length m	DESCRIPTION	OD in	Length m	Set MD	m	1,012						
Bit Size	in	9 7/8	9 7/8				9-3/8" IB Stabilizer	8	1.79	Set TVD	m	925.0						
Bit Run		NB	2	Core Head	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	DCS Lower Sub	7	0.31	8" Bit Sub w/ Float Valve	8	0.89	Next Size	in	12-1/4"						
IADC Code		537	537	DCS Upper Sub	7	0.58	XO Sub	6 7/9	0.51	Set MD	m	1,800						
Jets /32 in		2x30; 1x32	2x30; 1x32	8-7/32" x 5-1/2" Stab	8 2/9	1.22	8" Pony DC	8	4.41	TOL	m	-						
Serial #		RP2122	RP2122	7" x 5-1/2" Outer Barrel	7	7.92	1 x 6-1/2" DC	6 1/2	9.04	MUD VOLUMES								
Depth In m		1,450.0	1,474.0	8-7/32" x 5-1/2" Stab	8 2/9	1.22	19 x 5" HWDP	5	174.00	Start	bbl	2,045						
Depth Out m		1,470.0	1,562.0	LAS Top Sub	5	0.99	6-1/2" Sledgehammer Jar	6 1/2	6.30	Lost Surface	bbl	0						
Meterage m		20.0	88.0	7" Float Sub (Flapper type)	6 1/2	55.00	10 x 5" HWDP	5	92.00	Lost DH	bbl	1,039						
Bit Hours 24 hrs		3.10	13.04	6 x 6-1/2" DC	6 1/2	92.31	Float Sub ADA	6 3/4	0.66	Dumped	bbl							
TFA in <sup>2</sup>		2.166	2.166	10 x 5" HWDP	5	92.31	Lock Sub ADA	6 3/4	0.55	Built	bbl	1,039						
Tot Krev On Bttm		10.5		6-1/2" Sledgehammer Jar	6 1/2	6.30				Ending	bbl	2,050						
Tot Krev		16.6		10 x 5" HWDP	5	91.91				SOLID CONTROL EQUIPMENTS								
Dull Grade In		NB	0-1-WT-A-E-I-NO-CP							SHAKERS	MODEL (TYPE)	SCREEN SIZE						
Dull Grade Out		0-1-WT-A-E-I-NO-CP								Shaker #1	DERRICK (FLC-2000-4)	100/80/70						
										Shaker #2	DERRICK (FLC-2000-4)	100/100/70						
										Shaker #3	DERRICK (FLC-2000-4)	100/80/70						
										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	88.0			Install Date	15-May-23		Release Date	Between Lock Sub & DP		Date 1	Date 2							
Bit Hours Hrs	13.0	1				1			18-Apr-23	Conn. Gas								
ROP m/Hr	6.7	2				2				Trip Gas								
										Back Gas								
DRILLING FLUID												MUD ADDITIVE		HYDRAULIC				
Mud Type	Water	Active Tank		Caustic Polymer	Caustic Polymer	CI	mg/l	Active Tank		Type	Amount	Annular Vel	m/min					
Time	HH:MM	11:30	16:30	23:30		K	mg/l	10,200	10,000	XCD	59	Pb	psi					
MW in	ppg	8.6	8.7	8.7		MBT	lb/bbl	10,000	9,000	Caustic soda	3	Sys HHP						
MW out	ppg	8.6	8.7	8.7		Sand	%			Defoamer	1	HHPb	hp					
Temp in	degC	58	59	60		Solid Content	%	3	3	KCL	5	HSI	hp/in2					
Temp out	degC	68	69	70		Retort Water	%	97	97			% psi bit	%					
Pres. Grad	psi/ft					HGS	%					Jet Velocity	m/sec					
Funnel Visc	sec	53	54	53		LGS	%					Impact force	lbs					
PV	cP	12	12	12		600 RPM		52	53			IF/area	lbs/in2					
YP	lb/ft/100ft2	28	29	28		300 RPM		40	41			Type	Amount					
Gels	10 sec	12	12	12		200 RPM		37	38									
Gels	10 min	16	18	16		100 RPM		28	29									
Fluid Loss	mL/30min					6 RPM		17	17									
pH		9.5	10	10		3 RPM		11	10									
FUEL RECORD																		
Fuel Tank Location		Balanced Yesterday (liters)				Usage (liters)		Received (liters)			On H& (liters)							
Rig		95,652				Rig Engines + Others		10,096			83,981							
						Light Vehicle/ HDE		175										
Base Camp		4,043				Non Rig Bundling		1,400										
Mini Camp						Engine Basecamp		400			3,643							
TOTAL		99,695				12,071		0			87,624							
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		6		GEOLOGIST				1		PUMP NO.		1			2		3	
APS		89		JV ADA-APS				3		Time		hh:mm						
ETI		23		LEKOMARAS				0		Slow Speed?		y/n			N			
HALLIBURTON CEMENTING		3		SCHLUMBERGER				0		Liner Lgt/Size		in			12/7			
AERATED		5		BAKER				0		Capacity		bbl/stk			0.1429			
INTRAFODD		18		NMS				0		Efficiency		95%			0.1357			
IMS		24		VARCO				0		Strokes		SPM			80			
PARAMA DATA UNIT		6		NOV CORING				4		Flow Rate		gpm			456			
DYFCO		4		NPS				5		Pressure		psi			1,050			
PRIMA HIDROKARBON		3		RDN TOP DRIVE				3		PRV		psi			2,900			
HALLIBURTON SPERRY		4		BSM MEDIC				3										
TOTAL POB :		204																
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												