



OPERATOR		PT. GEO DIPA ENERGI (Persero)				CONTRACTOR		JV ADA - APS		REPORT NO. #		20		
WELL/ PAD NAME		PTH-BB-9				FIELD		PATUHA		ENVIRONMENT		ONSHORE		
WELL TYPE/ PROFILE		BIG HOLE / J-TYPE				LATITUDE/ LONGITUDE		07° 10' 2.63" S / 107° 24' 56.89" E		GL - MSL (M)		1968 m-ASL		
GENERAL														
Rig TYPE / NAME		LAND RIG / ARJUNA#88				AVERAGE WOB (24 HRS)		KLBS		0		AFE NUMBER / AFE COST		USD 5,602,700.64
RIG POWER		HP				AVERAGE ROP (24 HRS)		M/HR		0.0		DAILY COST		USD 89,916.60
KB ELEVATION		Meter				AVERAGE SURFACE RPM / DHM				0		% AFE / CUMULATIVE COST		50.9% USD 2,849,164.69
MIDNIGHT DEPTH		Meter				ON / OFF BOTTOM TORQUE		KLBS-FT		0 / 24		DAILY MUD COST		USD 446.00
PROGRESS		Meter				FLOWRATE / SPP		gpm/PSI		50-90 / 2200-2300		CUMULATIVE MUD COST		USD 72,115.93
PROPOSED TD		Meter				AIR RATE		SCFM		700		PERSONNEL IN CHARGE		
SPUD DATE		29/01/2023 23:00:00				CORR. INHIB. / FOAM RATE		GPH		10-16 / 14-28		DAY/ NIGHT DRILLING SUPV.		KETUT DY / ERI R BUDI SETIAWAN
RELEASE DATE						PUW/SOW/ROTW		KLBS		185/133/154		DRILLING SUPERINTENDENT		YANUAR GHOZALI
PLANNED DAYS		45				TOTAL DRILLING TIME		HRS		15.8		RIG SUPERINTENDENT		YANUAR GHOZALI
DAYS f/ RIG RELEASE						TON MILES				734.0		DRILLING ENGINEER		EKA DAYA SAMUDERA
												HSE SUPERVISOR		ARISON
24 HOURS SUMMARY		Continue work on stuck pipe at depth 1145-1146mMD. Perform Wireline Logging job : RIH Dummy tools & PT Tools. RIH Primacord from surface to 1083 mWL. Work on pipe interval 1145-1146 mMD with 70-260 klbs. Performed Blind/Mechanical back off.												
24 HOURS FORECAST		Blind/Mechanical Back Off. POOH.												
STATUS 05:00 Hrs		19-Feb-23 Blind/Mechanical Back Off												
HSE														
SAFETY PERFORMANCE				HOURS RECORD				HAZARD MANAGEMENT				EMERGENCY DRILLS		
Nearmiss				KM Hrs Light Vehicle		65		JSA/HIRA		11		H2S Drill		29-Jan-23
Incidents				KM Hrs Heavy Equipment		84		PTW		11		BOP Drill/ Kick Drill		
Last MTI				Total Daily Personnel		209		Pre Tour Meeting		2		Fire Drill		29-Jan-23
Last LTI				Daily Safe Manhours / Cum Safe Manhours		2508/1.168.272		Observation Card		240		Trip Drill		
Days w/out LTI		506.00		DWLTI Since		1-Oct-21		Safety Inspection/ Training		15 / 0		Medivac Drill		29-Jan-23
ACCIDENT/ INCIDENT SUMMARY														
N/A														
SAFETY ISSUES														
N/A														
ENVIRONMENTAL RECORD														
Domestic Waste (m3)		4		Hazardous Waste (kg)				Fit for duty / MCU (person)		96 / 0				
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 Issue				Cumulative 24 Hrs				Occupational Health Issue						
TIME BREAKDOWN														
OPERATIONS FOR PERIOD 00:00 TO 24:00 HRS Of Sat, 18-Feb-23														
TIME, HH:MM			DEPTH		PT/NPT		CODE		DESCRIPTION		OPERATIONS			
START	END	ELAPSED												
0:00	6:00	6.0	1148	NPT	2j	Stuck Pipe Include Handling operations	Continue work on stuck pipe interval 1145-1146 mMD with 60-410 klbs. Apply torq up to 24 klb.ft. FR 50-90 gpm. SPP 2200-2300 psi Air rate 700 SCFM, ADP 2280-2370 psi. Foam/Corr Inh. 14-28/10-16 gph - Attempted to tension (410 klbs) for 60 minutes. No progress. - Bypass aerated at 05:00 hrs							
6:00	8:00	2.0	1148	NPT	11d	Wireline/Slick Line Job Unplanned	Prepare run Wireline Logging. - R/U Wireline Logging surface equipment. - B/O and L/D 2 jts 5" DP, connect pup joint + FOSV							
8:00	9:00	1.0	1148	NPT	11d	Wireline/Slick Line Job Unplanned	R/U Wireline Logging tools. - Prepare Dummy Tools. - Prepare and R/U wireline cable. - P/U Sheave 2 ea (Upper and lower).							
9:00	11:30	2.5	1148	NPT	11d	Wireline/Slick Line Job Unplanned	Perform Wireline Logging job : RIH Dummy tools. M/U and RIH 2.375" Dummy tool from surface to 837.75 mWL. Logging speed 25 m/min. Tagged, POOH 2.375" Dummy tool from 837.75 mWL to surface. - C/O Dummy tools from 2.375" to 2" Dummy tools RIH 2" Dummy tool from surface to 1101.77 mWL, POOH 2" Dummy tool from 1101.77 mWL to surface.							
11:30	14:00	2.5	1148	NPT	11d	Wireline/Slick Line Job Unplanned	Perform Wireline Logging job : RIH PT Tools - RIH PT Tools to 1045 mWL. Logging speed 35 m/min. - Temp.Max : 195 °C @ 1030 - 1045 mWL. Pressure Max : 1355 psi @ 1030 - 1045 mWL. - POOH PT Tools to surface. Logging speed 35 m/min.							
14:00	16:30	2.5	1148	NPT	11d	Wireline/Slick Line Job Unplanned	Prepared Mechanical backoff - Mobilize explosive from PPL-6 to PTH-BB-9 - Pre Job safety meeting							
16:30	19:00	2.5	1148	NPT	11d	Wireline/Slick Line Job Unplanned	M/U and RIH Primacord from surface to 1083 mWL - Fire Severing Tools at 1083 mWL (Top Joint 5" HWDP #1). Good fire indication.							
19:00	20:30	1.5	1148	NPT	11d	Wireline/Slick Line Job Unplanned	POOH Primacord from 1083 mWL to surface - L/D Severing tools - R/D 2 ea sheave (Upper and Lower) - B/O Pup joint + pumping tee + FOSV - P/U and connect 1jt 5" DP							
20:30	22:00	1.5	1148	NPT	2j	Stuck Pipe Include Handling operations	Work on pipe interval 1145-1146 mMD with 70-260 klbs. Apply torq up to 20 klb.ft FR 100 gpm. SPP 1950 psi. TLC - Occasionally slack off string to 60 klbs and pick up to 350 klbs - Bleed off pressure							
22:00	24:00	2.0	1148	NPT	19a	Fishing Operations	PJSM & Performed Blind/Mechanical back off: Set weight at 163 klbs Applied M/U torque 26 klbs-ft Reciprocate up/down 7 klbs (170-156 klbs							

OPERATIONS FOR PERIOD 00:00 TO 05:00 HRS ON						Sun, 19-Feb-2023	
TIME, HH:MM			DEPTH	PT/NPT	CODE	DESCRIPTION	OPERATIONS
START	END	ELAPSED					
0:00	2:00	2.0	1148	NPT	19a	Fishing Operations	Lay down 1 jt 5"DP and change out saver sub with new one. M/U dry connection on saver sub.
2:00	5:00	3.0	1148	NPT	19a	Fishing Operations	Cont' performed blind/mechanical back off. Set weight at 163 klbs Applied make up torque to 26 klbs-ft. Reciprocate down/up (150-163 klbs) 5x. Set weight at 142 klbs Applied make up torque to 26 klbs-ft Reciprocate down/up (142-125 klbs) 30x. Set weight at 170 klbs Applied reverse torque to 15-20-22-24-25 klbs-ft Reciprocate up/down (185-170 klbs). On progress.
GENERAL COMMENTS						SIGNATURE	
Progress Activity: 61% KOP: 252mMD - Estimated Mud Loss (24 Hrs) : ± - Bbls. - Estimated Cumulative Mud Loss : ± 7188 Bbls - Estimated Water Loss (24 hrs) : ± 623 Bbls. - Estimated Cumulative Water Loss : ± 18110 Bbls. NPT Record Rig Bundling Total NPT Record on January 2023: - Top Drive□ Hrs / Cumm. 12.5 Hours (31 January 2023). Rig Bundling Total NPT Record on February 2023: NIL NPT Stuck Pipe : 24 hrs / Cum 49.5 hrs NPT Circulate / Condition Mud Unplanned : 0 hrs / Cum 1.5 hrs						REPORTED BY	
						KETUT DARMANA YASA DRILLING SUPERVISOR	YANUAR GHOZALI RIG SUPERINTENDENT

BIT RECORDS			BHA #6			BHA #7			CASING		
6		7	DESCRIPTION	OD in	Length m	DESCRIPTION	OD in	Length m	Last Size	in	13-3/8"
Bit Number									Set MD	m	1005
Bit Size	in		BIT SUB	8	9.23	12-1/4" PDC	12 1/4	0.29	Set TVD	m	925
Bit Run									Last FIT EMW	ppg	
Manufacturer/Type	SMITH / GF30BOD1VCP5	SMITH / Z716	3 X 8" DC	8	0.51	8" MM	9 5/8	8.75	Next Size	in	10-3/4"
IADC Code	435	435	11.75" STAB	8	2.22	8" FS w/ FV	8	0.62	Set MD	m	1,650
Jets /32 in	3X32;1X18	7x20	X/O 6-5/8"	8 1/4	9.14	11-3/4" IBS	8	2.06	TOL	m	-
Serial #	RP4396	SN0261	1 X 6.5" DC	6 1/2	0.87	8" NMDC	8	8.25	MUD VOLUMES		
Depth In	m		9 X 5" HWDP	5	27.91	8" EM Repeater sub	8	0.89	Start	bbl	2,190
Depth Out	m		SH JAR	6 1/2	0.76	8" EM Antenna sub	8	0.87	Lost Surface	bbl	
Meterage	m		1 X 5" HWDP	5	9.21	3 x 8" DC	8	27.80	Lost DH	bbl	0
Bit Hours	24 hrs	81.80	1 X 5" DP SACRIFICE	5	83.38	XO	8 1/4	0.57	Dumped	bbl	
TFA	In ²		15 X 5" HWDP	5	6.41	1 x 6-1/2" DC	6 1/2	9.38	Built	bbl	0
Tot Krev On Bttm						9 x 5" HWDP	5	83.53	Built	bbl	0
Tot Krev						6 1/2" Sledgehammer jar	6 1/2	6.41	Ending	bbl	2,190
Dull Grade In	1-2-WT-G-E-1/16"-RG-TD	2-1-CT-N-X-1/16-NO-BHA				1 x 5" HWDP	5	9.31	SOLID CONTROL EQUIPMENTS		
Dull Grade Out	1-1-WT-G-E-1-RG-BHA					1 x 5" DP (sacrifice joint)	5	9.57	SHAKERS	MODEL (TYPE)	SCREEN SIZE
						15 x 5" HWDP	5	139.12	Shaker #1	DERRICK (FLC-2000-4)	80/70/60
									Shaker #2	DERRICK (FLC-2000-4)	100/80/60
									Shaker #3	DERRICK (FLC-2000-4)	80/70/60
									Mud Cleaner	DERRICK (FLC-2000-4)	140/140/140/140
									Hi-G Dryer	FLC 2000-4	
									Centrifuge	DE-1000	
			Total		149.63		Total	307.42	GAS		
CUMULATIVE		CORROSION RING			BOP TEST			Max. Gas			
Meterage	m	143.0	Install Date		Release Date	Location		Date 1	Date 2	Conn. Gas	-
Bit Hours	Hrs	15.9	1	14-Feb-23	1			13-Feb-23		Trip Gas	-
ROP	m/Hr	9.0	2		2					Back Gas	-
DRILLING FLUID											
Reserved tank#1			Reserved tank#1			Type		Amount	HYDRAULIC		
Mud Type	1% KCl Polymer	1% KCl Polymer	1% KCl Polymer	CI	mg/l	5,200	5,200	5,200	Annular Vel	m/min	13.43
Time	HH:MM	11:00	16:00	K	mg/l	5,300	5,300	5,300	Pb	psi	181.47
MW in	ppg	8.6	8.6	MBT	lb/bbl				Sys HHP	psi	
MW out	ppg			Sand	%				HHPb	hp	111
Temp in	degC	20	20	Solid Content	%				HSI	hp/in2	
Temp out	degC			Retort Water	%				% psi bit	%	32.87
Pres. Grad	psi/ft			Retort Water	%				Jet Velocity	m/sec	47.13
Funnel Visc	sec	155	155	HGS	%				Impact force	lbs	713.23
PV	cP	22	22	LGS	%				IF/area	lbs/in2	
YP	lb/100R2	45	44	600 RPM		89	88	87	Type	Amount	
Gels	10 sec	15	14	300 RPM		67	66	65			
Gels	10 min	29	28	200 RPM		36	33	32			
Fluid Loss	mL/30min			100 RPM		28	27	26			
pH		9.5	9.5	6 RPM		23	21	21			
				3 RPM		15	14	14			
FUEL RECORD											
Fuel Tank Location		Balanced Yesterday (liters)			Usage (liters)		Received (liters)		On H& (liters)		
Rig		86,585			Rig Engines + Others	4,510	16,000		89,773		
					Light Vehicle/ HDE	302					
Base Camp		4,272			Non Rig Bundling	8,000	8,000		11,872		
Mini Camp					Engine Basecamp	400					
TOTAL		90,857			13,212		24,000		101,645		
WEATHER											
TEMP (°C)		FOGGY & RAINING			BAROMETRIC		WELLSITE		LOCATION CONDITION		
HIGH	LOW	TIME			PRESS (ATM)		ELEVATION (M)	WIN 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		7		GEOLOGIST		1		PUMP NO.	1	2	3
APS		90		JV ADA-APS		3		Time	hh:mm		
ETI		24		LEKOMARAS		0		Slow Speed?	y/n	N	N
HALLIBURTON CEMENTING		3		SCHLUMBERGER (SMITH)		1		Liner Lgt/Size	in	12/7	12/7
AERATED		5		BAKER		1		Capacity	bbl/stk	0.1429	0.1429
INTRAFOOD		18		VISITOR GDE		1		Efficiency	95%	0.1357	0.1357
IMS		22		VARCO		0		Strokes	SPM	80	80
PARAMA DATA UNIT		7		HALLIBURTON WIRELINE		0		Flow Rate	gpm	456	456
DYFCO		3		NPS		5		Pressure	psi	1,050	1,050
PRIMA HIDROKARBON		3		NMS		5		PRV	psi	2,900	2,900
HALLIBURTON SPERRY		4		NOV		0					
BSM MEDIC		3		WBB		3					
TOTAL POB :		209									
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						
Rougher Crane Kato	55T	APS			PPL-02						