


PT Geo Dipa Energi (Persero)

DAILY DRILLING REPORT
PT. GEO DIPa ENERGI (Persero)

29-May-23



OPERATOR		PT. GEO DIPa ENERGI (Persero)		CONTRACTOR		JV ADA - APS		REPORT NO. #		40	
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 100,355.43			
KB ELEVATION	Meter	AVERAGE SURFACE RPM / DHM		% AFE / CUMULATIVE COST	95.0% USD 4,607,423.25			
MIDNIGHT DEPTH	Meter	ON / OFF BOTTOM TORQUE	KLBS-FT	DAILY MUD COST	USD 3,280.17			
PROGRESS	Meter	FLOWRATE / SPP	gpm/PSI	CUMULATIVE MUD COST	USD 346,658.83			
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	394.0	DRILLING ENGINEER	EKA DAYA SAMUDERA			
				HSE SUPERVISOR	HERDEDI			

24 HOURS SUMMARY

Cont'd Reaming down (7-7/8" HS) formation pocket with aerated water from 1548 mMD to 1561 mMD, CHC, attempt to free stuck pipe at 1544 mMD (free pipe), CHC and workpipe, attempt to free stuck pipe at 1544 mMD

24 HOURS FORECAST

Cont'd attempt to free stuck pipe at 1544 mMD

STATUS 05:00 Hrs

30-May-23

Attempt to free stuck at 1544 mMD

HSE							
SAFETY PERFORMANCE		HOURS RECORD		HAZARD MANAGEMENT		EMERGENCY DRILLS	
Nearmiss	0	KM Hrs Light Vehicle	99	JSA/HIRA	15	H2S Drill	18-Apr-23
Incidents	0	KM Hrs Heavy Equipment	108	PTW	15	BOP Drill/ Kick Drill	
Last MTI		Total Daily Personnel	201	Pre Tour Meeting	2	Fire Drill	17-Apr-23
Last LTI		Daily Safe Manhours / Cum Safe Manhours	2,412/1,403.884	Observation Card	195	Trip Drill	
Days w/out LTI	606.00	DWLT Since	1-Oct-21	Safety Inspection/ Training	13/0	Medivac Drill	17-Apr-23

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

ENVIRONMENTAL RECORD				OCCUPATIONAL HEALTH RECORD			
Domestic Waste (m3)	0	Hazardous Waste (kg)		Fit for duty / MCU (person)		92/1	
Hazardous Waste/B3 (kg)		Drill Cutting Vol (Jumbo bag)	6	Clinic Visit		8	
Spill Incidents (barrels)		Other (BB)		Number of Work Related Illnesses			
Enviro/ Community Issue		Cummulative 24 Hrs		Occupational Health Issue			

TIME BREAKDOWN

OPERATIONS FOR PERIOD 00:00 TO 24:00 HRS O Mon, 29-May-23

TIME, HH:MM							OPERATIONS		
START	END	ELAPSED	DEPTH	PT/NPT	CODE	DESCRIPTION			
0:00	4:00	4.0	1561	NPT	3b	Wash / Reaming / Backreaming Unplanned	Cont'd Reaming down formation pocket with aerated water from 1548 mMD to 1561 mMD (1357 mTVD), return - PLC - Parameter : WOB: 0-15 klbs, FR 310-510 gpm, SPP 600-950 psi, RPM 60-80 , TQ 8-19 klb.ft, Air rate 1500-1800 SCFM, ADA press 800-1100 psi, Foam/corr inhibit 8-10/4-6, avg ROP: 52.06 m/hr, pump hour: 24.6 hr,Krev OB : 14.1, TotalKrev :72.7 - Swept Hi-Visc 50 bbls (Hivis mix with bentonite and without bentonite) at 1556 mMD - Spot cutting @ 1561 mMD, Lithic Coarse Pyroclastic, size <2 mm, IO 60% - P/U-R/W-S/O : 200-150-120 - 1 joint off bottom - Observed PLC 6.9 bpm Note : - Stall a moment during reaming down at 1549, 1555, 1556,1557,and 1559-1560 mMD (TQ up to 24 klb.ft) - At some depth high torque 14-20 klb.ft		
4:00	5:00	1.0	1561	PT	5a	Circulate / Condition Mud	Circulate hole condition while work on pipe range 1561 - 1544 mMD. return - PLC Parameter : FR 350-450 gpm, SPP 700-800 psi, RPM 80 , TQ 8-19 klb.ft, Air rate 1500-2000 SCFM, ADA press 800-1000 psi, Foam/corr inhibit 10-12/6 - Stall a moment during work on pipe at 1546,1545 and 1544 mMD (TQ up to 24 klb.ft) - At hole condition get increase torque from before it - Observed PLC 6.9 bpm		
5:00	6:00	1.0	1561	NPT	2j	Stuck Pipe Include Handling operations	Stuck pipe during work on pipe at 1544 mMD - Attempt to free stuck pipe,work on pipe with parameter FR 560 gpm, SPP 700-900 psi, RPM 80 , TQ 8-20 klb.ft, Air rate 2000 SCFM, ADA press 800-1100 psi, Foam/corr inhibit 12/6, Free pipe C/O oil filter TDS engine, Work on TDS : POOH while Pump out with 400 GPM, SPP 600 psi, Airrated 1700 scfm, ADAPress 780 psi TCI 7-7/8" BHA, #16 Stick Issue from 1507 - 1543 mMD		
6:00	8:00	2.0	1561	PT	5a	Circulate / Condition Mud	Circulate hole condition while work on pipe range 1544- 1533 mMD. return - PLC - Parameter : FR 560-700 gpm, SPP 800-1300 psi, RPM 60-80 , TQ 8-27 klb.ft, Air rate 2000-2200 SCFM, ADA press 1020-1460 psi, Foam/corr inhibit 12/6 - At hole condition get increase torque from before it - Observed PLC 6.9-8.2 bpm		
8:00	24:00	16.0	1561	NPT	2j	Stuck Pipe Include Handling operations	Stuck pipe during work on pipe at 1544 mMD, intermitten - return Attempt to free stuck pipe at 1544 : Work on stuck pipe interval 1546-1543 mMD. FR 150-700 gpm, SPP 770-2250 psi, RPM 0-80 , TQ 8-27 klb, ft, Air rate 1500 - 2800 SCFM, ADA press 800 - 2330 psi, Foam/corr inhibit 12-28 /6-8 - Attempt to pick up until 320 - 80 klbs and maks.torg 27 klbft at a several time - Tension 230-340 klbs Unsuccess Attempt to free stuck pipe with circulation and workpipe at 1544 mMD : foam 28 gph, corhib 8 gph, SPP 1050 -2300 Psi, intermittent - return Work pipe 100 - 320 klbs and rotate string several time - 1500 SCFM, FR 700 gpm (0.5 hrs) - 1800 SCFM, FR 600 gpm (0.5 hrs) - 2000 SCFM, FR 400 gpm (0.5 hrs) - 2200 SCFM, FR 300 gpm (0.5 hrs) - 2500 SCFM, FR 200 gpm (0.5 hrs) - 2800 SCFM, FR 100 gpm (0.5 hrs) Got cutting : Lithic Coarse Pyroclastic, IO 50%, cutting size 1-10 mm Unsuccess Estimated Mud Loss (24 Hrs) : ± 50 Bbls. Estimated Cumulative Mud Loss : ± 18906 Bbls Estimated Water Loss (24 Hrs) : ± 10515 Bbls. Estimated Cumulative Water Loss : ± 85020 Bbls		
TOTAL HRS		24.0							

OPERATIONS FOR PERIOD 00:00 TO 05:00 HRS ON							Tue, 30-May-2023	
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	<div>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</div> <div>While work pipe 100 - 320 klbs and rotate string several time</div> <div>Unsucces</div> <div>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</div> <div>While work pipe 100 - 320 klbs and rotate string several time</div> <div>- Got cutting : Lithic Coarse Pyroclastic, IO 50%, cutting 1-5 mm</div> <div>Unsuccess</div> <div>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</div> <div>While work pipe 80 - 320 klbs and rotate string several time</div> <div>- Got cutting : Lithic Coarse Pyroclastic, IO 50%, cutting size 1-5 mm</div> <div>Unsuccess</div> <div>Cont'd Attempt to free stuck pipe at 1544 mMD with swept Low-Visc + 2% lubricant 50 bbls</div> <div>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</div> <div>While work pipe 80 - 320 klbs and rotate string several time</div> <div>Unsuccess</div>	
GENERAL COMMENTS							SIGNATURE	
							REPORTED BY	
<div>Progress Activity: 58%</div> <div>KOP: 166 mMD</div> <div>Estimated Mud Loss (24 Hrs) : ± 50 Bbls.</div> <div>Estimated Cumulative Mud Loss : ± 18906 Bbls</div> <div>Estimated Water Loss (24 Hrs) : ± 10515 Bbls.</div> <div>Estimated Cumulative Water Loss : ± 85020 Bbls</div> <div>NPT Record</div> <div>Rig Bundling Total NPT Record on April 2023 : Cumm 5 hrs</div> <div>Rig Bundling Total NPT Record on May 2023 : 17 hrs</div> <div>NPT Stuck Pipe : Cumm 17 hrs / 30.5 Hrs</div> <div>NPT Reaming Unplanned : Cumm 18.5 hrs / 111.5 hrs</div>							<div>KETUT DY.</div> <div>DRILLING SUPERVISOR</div>	
							<div>YANUAR GHOZALI</div> <div>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 Size	7RR#1							Set MD	m	1,518
Bit Size	9 7/8	7 7/8								Set TVD	m	1,322.0
Bit Run	3	2		7-7/8" TCI Bit (537)	7 7/8	0.24	7-7/8" TCI Bit (537)	7 7/8	0.24	Last FIT EMW	ppg	
Manufacturer/Type	Smith / FH300D1VPS	Smith / F57YODPS		6-3/4" Mud Motor	6 3/4	8.43	7-1/4" bit sub c/w float valve	7 1/4	0.94	Next Size	in	7-7/8"
IADC Code	537	537		6-3/4" float sub c/w float valve	6 3/4	0.54	6-1/2" DC	6 1/2	8.93	Set MD	m	1,850
Jets /32 in	2x30; 1x32	3x32		19 x 5" HWDP	5	174.71	19 x 5" HWDP	5	174.11	TOL	m	1,500
Serial #	RP2122	RP1352		6-1/2" Sledgehammer Jar	6 1/2	6.30	6-1/2" Sledgehammer Jar	6 1/2	9.30	MUD VOLUMES		
Depth In m	1,562.0	1,562.0		10 x 5" HWDP	5	91.51	10 x 5" HWDP	5	91.51	Start	bbl	2,173
Depth Out m	1,562.0	1,562.0		6-3/4" ADA float sub	5	0.66	6-3/4" ADA float sub	5	0.66	Lost Surface	bbl	0
Meterage m	0.0	0.0		6-3/4" ADA lock sub	5	0.55	6-3/4" ADA lock sub	5	0.55	Lost DH	bbl	50
Bit Hours 24 hrs	0.00	3.46								Dumped	bbl	0
TFA in ²	2.166	2.356								Built	bbl	50
Tot Krev On Bttm	0.0	19.10								Ending	bbl	2,173
Tot Krev	0.0	497.4								SOLID CONTROL EQUIPMENTS		
Dull Grade In	1-1-WT-A-E-I-NO-BHA	1-1-WT-A-E-I-NO-TD								SHAKERS	MODEL (TYPE)	SCREEN SIZE
Dull Grade Out	1-1-WT-A-E-I-NO-BHA	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	