



MALAYSIA

Daily Operation Report

Well: BY-414	Wellbore No.: OH	Report no.: 21	Report date: 6/29/2020
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WELL INFO

Event Description: ORIGINAL DRILLING	Water Depth: 97.40 ft	Region: SKA	Rig Name: PV DRILLING II
Objective: DEVELOPMENT	Field / Platform: BYDP-D	AFE No.: P.CBLGN2B2C.CD.PDDC.814	Start date: 3/8/2020 Spud date: 3/10/2020 End date:
Block: Balingan	Lead DS: Anuar Mohamad	Night DS: Yusuf Hashim	PCSB Engineer:

DEPTH DAYS

DOL : 127.50 days	MD : 4,900.0 ft	Rotating Hrs : 39.67 hr	Last Casing : 9.625 in	Daily cost :
DFS : 18.05 days	TVD : 4,518.3 ft	Cum Rot Hrs : 39.67 hr	Last Hole Size : 12.250 in	Cumm Cost :
Total Days : 33.30 days	Progress :	Avg. ROP : 0.0 ft/hr	Last Shoe TMD : 4,888.8 ft	AFE Cost :
Est days :	Final TMD :		Last Shoe TVD : 4,509.2 ft	Supp Costs / Days :
Daily NPT : 0.00 hr	Cumm NPT : 19.75 hr		Current Hole Size :	Expenditure :

STATUS

Current status : Running 3-1/2" dual-completion at 4282 ft-MD (LS) and 3717 ft-MD (SS).

24 hr summary : Continued R/U 3-1/2" dual-completion handling equipment. RIH 3-1/2" dual-completion to 3698 ft-MD (LS) and 3133 ft-MD (SS).

24 hr forecast : Cont RIH 3-1/2" dual-completion. Run GR/CCL correlation. Space out compl string. M/U 3-1/2" dual-tubing hanger. Feed through PDG & TRSV control lines. Pres test fittings conn. Land 3-1/2" tubing hanger & press test seals. Cut control lines. N/D BOP.

Incident / Accident : NIL.

Remarks : NIL.

OPERATION SUMMARY

From - To	Hrs	Phase Code	Activity Code	Productive / Non-Productive Code	NPT	Rig Status	MD from (ft)	Operation
0:00 - 0:30	0.50	COM	RCT	OPRN		OPRN	4900.00	POOH with Solar Alert HP Jetting Tool from 84 ft-MD to surface and laid down same.
0:30 - 0:45	0.25	COM	RCT	OPRN		OPRN	4900.00	Cleaned and cleared rig floor of excess equipment and prepared rig floor for running 3-1/2" dual-completion.
0:45 - 1:00	0.25	COM	RCT	OPRN		OPRN	4900.00	Held PJSM for running 3-1/2" dual-completion. Made up 2 sets of well control sub assembly (1 XO with PVD TIW and 1 XO with Geowell TIW). Rigged up Destini Oil 3-1/2" tubing handling equipment with single elevator for running 3-1/2" Long String.
1:00 - 2:45	1.75	COM	RCT	OPRN		OPRN	4900.00	Commenced making up 3-1/2" 9.2 ppf L80 JFE Bear (Long String) completion tubing accessories and RIH to 119 ft-MD.
								Long-String Assembly LS-01: Self Aligning Mule Shoe (OD 4.000" x ID 3.015") - X/Over - 3-1/2" Pup Jt (4 ft) - 3-1/2" No-Go Landing Nipple OSXN Nipple (ID 2.75", S/N: 7159-3) - 3-1/2" Pup Jt (10 ft & 6 ft)
								Long-String Assembly LS-02: 3-1/2" Pup Jt (6 ft) - 9-5/8" x 3-1/2" Schlumberger Bluepack RH (40-47) 13-CR (80), HNBR (90-70-90) (S/N: C19P-2049) - 3-1/2" Pup Jt (10 ft)
								20-ft Blast Joint (OD 4.040" ID 2.867") BB5 - PIP Tag at pin-end (4513.81 ft-MD). 20-ft Blast Joint (OD 4.040" ID 2.867") BB6 20-ft Blast Joint (OD 4.040" ID 2.867") BB7 20-ft Blast Joint (OD 4.040" ID 2.867") BB8
								Note: Shear pins on Schlumberger Bluepack RH packer witnessed by Bayan NDSV.
2:45 - 3:45	1.00	COM	RCT	OPRN		OPRN	4900.00	Continued making up and RIH 3-1/2" 9.2 ppf L80 JFE Bear (Long String - LS) completion tubing accessories to 524 ft-MD. Monitored well on trip tank - loss rate 0.9-1.2 bbls/hr.
								Notes: 1. Drifted 3-1/2" tubing with 2.867" teflon drift. 2. Made up connection to 3,870 ft-lbs optimum torque with power tongs. 3. Total of 9 joints ran with no rejected joint with an average running speed of 6 joints/hour.
								Long-String Assembly LS-03:



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3:45 - 4:00	0.25	COM	RCT	OPRN		OPRN	4900.00	3-1/2" Pup Jt (12 ft) - SSD Sliding Sleeve OS(X)-3D (OD 4.545" ID 2.813", S/N: 7160-1) - 3-1/2" Pup Jt (12 ft) - 2 x 3-1/2" Pup Jt (8 ft) Note : SSD in close position. Continued making up 3-1/2" 9.2 ppf L80 JFE Bear dual-completion tubing and RIH to 566 ft-MD. Monitored well on trip tank - loss rate 0.9-1.2 bbls/hr. Notes: 1. Drifted 3-1/2" tubing with 2.867" teflon drift. 2. M/U connection to 3,870 ft-lbs optimum torque with power tongs. 3. Total of 10 joints ran with no rejected joint with an average running speed of 6 joints/hour.
4:00 - 4:30	0.50	COM	RCT	OPRN		OPRN	4900.00	Rigged up Destini Oil 3-1/2" dual-completion tubular handling equipments. Set dual-slip to 3-1/2" Long String. Changed out 20-ft long bails. Installed Destini Oil 3-1/2" dual-elevator on TDS.
4:30 - 6:00	1.50	COM	RCT	OPRN		OPRN	4900.00	Continued making up 3-1/2" 9.2 ppf L80 JFE Bear dual-completion tubing accessories and RIH to 636 ft-MD (LS) and 69 ft-MD (SS). Long-String Assembly LS-04 (Dual-Packer Assembly): 3-1/2" Half Mule Shoe, TDP Pump Open (TCO Plug), 3-1/2" Landing Nipple No-Go 2.750" OSXN, Dual Sleeve Autofill, SSD Sliding Sleeve OS(X)-3D (OD 4.545" ID 2.813"), Schlumberger OSD-1 Dual Packer (Top of Packer to COE - 1.85 ft, COE to Bottom of Packer - 3.59 ft). Note: 1. Shear pins on the Schlumberger OSD-1 packer witnessed by Bayan NDSV. 2. Filled up 0.12 bbls of Hi-Vis on top of TCO Plug in SS.
6:00 - 7:45	1.75	COM	RCT	OPRN		OPRN	4900.00	Long-String Assembly LS-05: 3-1/2" Pup Jt (12 ft) - Landing Nipple, Selective OSX (OD 3.5" ID 2.813", S/N: 7158-1) - 3-1/2" Pup Jt (12 ft) Short-String Assembly SS-01: 3-1/2" Pup Jt (12 ft) - Landing Nipple, Selective OSX (OD 3.5" ID 2.813", S/N: 7158-2) - 3-1/2" Pup Jt (12 ft) Continued making up 3-1/2" 9.2 ppf L80 JFE Bear dual-completion tubing accessories and RIH to 703 ft-MD (LS) and 135 ft-MD (SS).
7:45 - 9:45	2.00	COM	RCT	OPRN		OPRN	4900.00	Short-String Assembly LS-06: 3-1/2" Pup Jt (2x 12 ft, 1x10 ft) - 3-1/2" Schlumberger PDG SGM-FS-TS-STD Assy (Inner-Single Gauge, S/N C19GM-0186) - 3-1/2" Pup Jt (2x12 ft, 1x4 ft). Pressure tested PDG sensor connection to carrier body (metal-to-metal seal) to 1000/5000 psi for 5/15 minutes - good test. Switched on PDG prior to RIH. Continued making up 3-1/2" 9.2 ppf L80 JFE Bear dual-completion tubing accessories and RIH to 782 ft-MD (LS) and 218 ft-MD (SS).
9:45 - 11:30	1.75	COM	RCT	OPRN		OPRN	4900.00	Long-String Assembly LS-07: 3-1/2" Pup Jt (15 ft) - 3-1/2" KBMG Gas Lift 410 SS Assy (S/N 21975-12, PPO 16/64" Orifice installed) - 3-1/2" Pup Jt (15 ft). Short-String Assembly SS-02: 3-1/2" Pup Jt (15 ft & 4 ft) - 3-1/2" KBMG Gas Lift 410 SS Assy (S/N 21975-19, 8/64" Orifice installed) - 3-1/2" Pup Jt (15 ft). Continued making up 3-1/2" 9.2 ppf L80 JFE Bear dual-completion tubing and RIH to 1159 ft-MD (LS) and 593 ft-MD (SS). Average running speed of 10 joints/hour. Monitored well on trip tank - loss rate 1.0 bbls/hr.
11:30 - 12:30	1.00	COM	RCT	OPRN		OPRN	4900.00	Changed out Destini Oil 3-1/2" dual-completion floating-type power tong due to broken retaining screw on the die of the back-up jaw (bottom section of the power tong).



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12:30 - 12:45	0.25	COM	RCT	OPRN		OPRN	4900.00	Continued making up 3-1/2" 9.2 ppf L80 JFE Bear dual-completion tubing and RIH to 1285 ft-MD (LS) and 719 ft-MD (SS). Average running speed of 10-12 joints/hour. Monitored well on trip tank - loss rate 1.0 bbls/hr.
12:45 - 13:30	0.75	COM	RCT	OPRN		OPRN	4900.00	Continued making up 3-1/2" 9.2 ppf L80 JFE Bear dual-completion tubing accessories and RIH to 1380 ft-MD (LS) and 814 ft-MD (SS). Long-String Assembly LS-08: 3-1/2" Pup Jt (12ft, 4ft, 15 ft) - 3-1/2" KBMG Gas Lift 410 SS Assy (S/N 21975-04, PPO 8/64" Orifice installed) - 3-1/2" Pup Jt (15 ft).
13:30 - 16:15	2.75	COM	RCT	OPRN		OPRN	4900.00	Short-String Assembly SS-03: 3-1/2" Pup Jt (15 ft & 4 ft) - 3-1/2" KBMG Gas Lift 410 SS Assy (S/N 21975-07, 8/64" Orifice installed) - 3-1/2" Pup Jt (15 ft). Continued making up 3-1/2" 9.2 ppf L80 JFE Bear dual-completion tubing and RIH to 2132 ft-MD (LS) and 1567 ft-MD (SS). Average running speed of 12-14 joints/hour. Monitored well on trip tank - loss rate 1.0 bbls/hr.
16:15 - 17:15	1.00	COM	RCT	OPRN		OPRN	4900.00	Continued making up 3-1/2" 9.2 ppf L80 JFE Bear dual-completion tubing accessories and RIH to 2239 ft-MD (LS) and 1673 ft-MD (SS). Long-String Assembly LS-09: 3-1/2" Pup Jt (2x12ft, 4ft, 15 ft) - 3-1/2" KBMG Gas Lift 410 SS Assy (S/N 21975-18, PPO 8/64" Orifice installed) - 3-1/2" Pup Jt (15 ft).
17:15 - 21:15	4.00	COM	RCT	OPRN		OPRN	4900.00	Short-String Assembly SS-04: 3-1/2" Pup Jt (15 ft & 4 ft) - 3-1/2" KBMG Gas Lift 410 SS Assy (S/N 21975-16, DUMMY Orifice installed) - 3-1/2" Pup Jt (15 ft). Continued making up 3-1/2" 9.2 ppf L80 JFE Bear dual-completion tubing and RIH to 3202 ft-MD (LS) and 2635 ft-MD (SS). Average running speed of 12-14 joints/hour. Monitored well on trip tank - loss rate 1.0 bbls/hr.
21:15 - 22:00	0.75	COM	RCT	OPRN		OPRN	4900.00	Continued making up 3-1/2" 9.2 ppf L80 JFE Bear dual-completion tubing accessories and RIH to 3281 ft-MD (LS) and 2714 ft-MD (SS). Long-String Assembly LS-10: 3-1/2" Pup Jt (15 ft) - 3-1/2" KBMG Gas Lift 410 SS Assy (S/N 21975-22, DUMMY installed) - 3-1/2" Pup Jt (15 ft).
22:00 - 0:00	2.00	COM	RCT	OPRN		OPRN	4900.00	Short-String Assembly SS-05: 3-1/2" Pup Jt (15 ft) - 3-1/2" KBMG Gas Lift 410 SS Assy (S/N 21975-06, DUMMY installed) - 3-1/2" Pup Jt (15 ft). Continued making up 3-1/2" 9.2 ppf L80 JFE Bear dual-completion tubing and RIH to 3698 ft-MD (LS) and 3133 ft-MD (SS). Average running speed of 12-14 joints/hour. Monitored well on trip tank - loss rate 1.0 bbls/hr. Recorded P/U Wt: 132 klbs, S/O Wt: 122 klbs. Notes: 1. Drifted 3-1/2" tubing with 2.867" teflon drift. 2. M/U connection to 3,870 ft-lbs optimum torque with power tongs. 3. Total of 123 joints ran with no rejected joint with an average running speed of 6 joints/hour. ***** VDL Daily Report ***** Total recorded VDL = 6654 kips Max allowable VDL = 7600 kips Available load margin = 946 kips June 30, 2020



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								<p>00:00 - 01:15 Continued making up 3-1/2" 9.2 ppf L80 JFE Bear dual-completion tubing and RIH to 4075 ft-MD (LS) and 3510 ft-MD (SS). Average running speed of 12-14 joints/hour. Monitored well on trip tank - loss rate 1.0 bbls/hr.</p> <p>01:15 - 05:15 Continued making up 3-1/2" 9.2 ppf L80 JFE Bear dual-completion tubing accessories and RIH to 4157 ft-MD (LS) and 3591 ft-MD (SS).</p> <p>Long-String Assembly LS-11: 3-1/2" Pup Jt (15 ft) - 3-1/2" Flow Coupling (CP Groove, 3 ft) - 3-1/2" TRSV (TRMAXX-5E, X-Type, 5K Rated, 5" OD, 2.812" ID, S/N: C19S-0451) - 3-1/2" Flow Coupling (CP Groove, 3 ft) - 3-1/2" Pup Jt (15 ft).</p> <p>Short-String Assembly SS-06: 3-1/2" Pup Jt (15 ft) - 3-1/2" Flow Coupling (CP Groove, 3 ft) - 3-1/2" TRSV (TRMAXX-5E, X-Type, 5K Rated, 5" OD, 2.812" ID, S/N: C19S-0453) - 3-1/2" Flow Coupling (CP Groove, 3 ft) - 3-1/2" Pup Jt (15 ft).</p> <p>Flushed control lines with Jenteram 46 hydraulic oil and connected to TRSVs. Pressure tested TRSV control lines integrity to 9000 psi for 5 mins, bled off control line and recorded bleed back fluid volume 160 ml - good test (charted).</p> <p>Function tested TRSV with 4000 psi and recorded 5 cycles bleed back volume. 1. For LS-11 (TRSV): 140 ml, 140 ml, 140 ml, 140 ml, 140 ml. TRSV opening pressure at 1250 psi, closing pressure 600 psi - good test (charted). 2. For SS-06 (TRSV): 140 ml, 140 ml, 140 ml, 140 ml, 150 ml. TRSV opening pressure at 1250 psi, closing pressure 700 psi - good test (charted).</p> <p>Pressured up and locked 4000 psi in TRSV control lines prior to RIH. Tubing pressure (inner) on PDG was 1156 psi, Temp 72 °C.</p> <p>05:15 - 06:00 Continued making up 3-1/2" 9.2 ppf L80 JFE Bear dual-completion tubing and RIH to 4282 ft-MD (LS) and 3717 ft-MD (SS). Average running speed of 12-14 joints/hour. Monitored well on trip tank - loss rate 1.0 bbls/hr.</p> <p>Notes: 1. Drifted 3-1/2" tubing with 2.867" teflon drift. 2. M/U connection to 3,870 ft-lbs optimum torque with power tongs. 3. Total of 170 joints ran with no rejected joint with an average running speed of 6 joints/hour.</p>



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BIT DATA				MUD CHECK				MUD CHECK			
Bit No.				Daily mud: 0.00 \$				Cum. mud cost: 160,702.60 \$			
Run				Type				Pm (cc)			
Size				Time/Loc				Pf/Mf (cc/cc)			
Manufacturer				TMD (ft)		4,900.0		Ca+ (ppm)			
Type				Temp (°F)				K+ (ppm)			
Serial no.				Density (ppg)		6.70		Polymer (lbm/bbl)			
TFA				ECD (ppg)				CaCl2 (%)			
Cond (IODL)				Viscosity (s/qt)				NaCl (%)			
Cond (BGOR)				PV (cp)				Sand (%)			
Jets				YP (lbf/100ft²)				Tot. Solids (%)			
TMD In				Gels (lbf/100ft²)				% Oil (%)			
TMD Out				Api WL (cc/30min)				% H2O (%)			
Cum TMD				HTHP WL				Oil/H2O (%)			
Cum Hrs				(cc/30min)				HGSolid (lbm/bbl)			
WOB Min				API FC (32nd")				LGSolid (lbm/bbl)			
WOB Max				MBT (lbm/bbl)							
RPM Min				Lime (lbm/bbl)							
RPM Max				pH				Comments			
GAS READINGS				MUD VOLUME							
Avg. conn. gas (%) :				Total string vol. (bbl) :				Built (bbl) :			
Max. connection gas (%) :				Total annular vol. (bbl) :				Surface total (bbl) :			
Avg. trip gas (%) :				Total pit vol. (bbl) :				Cum. surface (bbl) :			
Max. trip gas (%) :				Lines (bbl) :				Subsurface total (bbl) :			
Avg. background gas (%) :								Dumped (bbl) :			
Max. background gas (%) :											
Avg. H2S (%) :											
Max. H2S (%) :				Total system vol. (bbl) :							
PUMP/HYDRAULICS				PIPE DATA				ANN. VELOCITIES			
Pump	NOV			Min ID (in)		BHA (ft)	0.00	Drill Pipe (ft/min)			
Liner	6.500			DC OD (in)		DP OD (in)		Drill Collar (ft/min)			
Stroke	14.00			DC (ft)	0.00	String Rot Weight		Riser (ft/min)			
EFF				HWDP OD (in)		Pick-Up Weight					
Pressure				HWDP (ft)	0.00	Slack Off Weight					
SPM											
Output											
SHAKER				CENTRIFUGE				HYDROCYCLONE			
Type	Mesh Size	HRS		Type				Type	HRS		
		24.00		RPM							
		24.00		Process Outp.							
				Overflow Outp.							
				Overflow Dens.							
				HRS							
				Opcode							
LOT/FIT				FORMATION DATA							
EMW	MAASP	Max Mud Wt		Formation		Top (ft)					
	0.00										
SUPPORT CRAFT											
Name		Comments					Arrival date		Departure date		
MM Teguh		At ASB.									
JM Ehsan		At PVD2.									
BULKS											
Product name	BARITE	BRINE	POT WATER	G CEMENT	FUEL	BENTONIT E	MICROBO ND CEMENT	BASE OIL	DRILL WATER		
Unit	MT	MT	M3	MT	M3	MT	MT	M3	M3		
Quantity end	169	144	143	65	195		18	38	222		
Usage			38		8			15	2		
Received			45								
Returned											
Adjusted											

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WEATHER		SAFETY CARDS			PERSONNEL				
Time : 00:00			Daily	Cumulative	Total No. of People: 119		No. of Beds : 120		
Weather : CLOUDY		POSITIVE CAR	62	458	Company		# People	Company	# People
Daily High/Low Temp (°F) : 75.00		UNSAFE COND	14	68	NOV		1	BAKER LINER HANGER	1
10M wind spd. (knots) : 23.0		UNSAFE ACT	5	39	PETRONAS SOR		1	WELLTEC TRACTOR	1
10M wind dir. (°) : 150.00		Total Cards	81	565	ISOS		1	PETROCLAMP	2
Ceiling(ft) :					SCHLUMBERGER COMPL		2	HALLIBURTON TCP	2
Visibility(mi) : 6.00					SOLAR ALERT		2	HUC	2
Swell Height (ft) : 0.98					HALLIBURTON BAROID		2	SCHLUMBERGER PDG	2
Swell Direct (°) :					HALLIBURTON FILTRATIO		2	BAKER HUGHES DD/MWD	2
Speed (knots) : 1.00					HALLIBURTON DST		2	BAKER CEMENTING	2
Dir (°) : 90.00					HALLIBURTON COMPLETI		2	GEOWELL SLICKLINE	3
Heave (ft) :					EXLOG		4	PETRONAS DRILLING	5
Pitch (°) :					HALLIBURTON E-LINE		6	DESTINI TRS	6
Roll (°) :					PVDO		8	PVD DD	12
Wave Height (ft) : 0.98					BAYAM		12	BAYONG	34
Wave Direct (°) : 90.00									
Wave Period (sec) : 6.00									
ANCHOR TENSION									
Tension (kip)									
Direction (°)									
SAFETY									
Days Since Last NLTA (days) : 138		Drill type : H2S Drill		Last weekly rig check : 6/29/2020		Last BOP pressure test : 6/25/2020			
Days Since LTA (days) : 138		Last drill : 9.00 (days)		Daily inspection done : 6/29/2020		Next test due : 7/9/2020			
STOP Cards : 81		Last Fire Drill : 6/22/2020		Last safety inspection : 6/29/2020		Last safety meeting : 6/28/2020			
Incident / Accident :		Next Fire Drill : 6/30/2020		Last BOP function test :		Last BOP drill :			
SURVEYS									
MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. sec. (ft)	Dleg (°/100ft)	Survey tool	

