

Report No.: 17.0 Date: 6/27/2020 DFS: 15.81

DOL: 17.00 Planned DOW: 29.50

Well Name: RT-P1
Wellbore Name: Sidetrack 1
Plan

Spud Date 4/25/2020 04:30	Depth Progress (m) 0.00	Current Depth (mKB) 2,009.00	Current Depth (TVD) (2,008.80	Authorized MD (mKB) 2,009.00	Water Depth (m) 1,189.00	Orig KB Elev (m) 24.00	KB-MudLn (m) 1,213.00
PTTEP Field Name Rotan		Block Country Malaysia		State/Province Sabah	District Malaysia	Latitude (°) 7° 21' 3.323" N	Longitude (°) 115° 51' 44.974" E
Contractor Seadrill Ltd		Rig Name/No West Carina		Rig Phone/Fax Number +603 7490 7577		BHA Hrs of Service (hr) 0.00	
Leak Off Equivalent Fluid	Density (lb/gal)	Last Casing String Intermediate, 1,970.30mKB		Next Casing String			

Last Survey

 Wellbore Name
 Measured Depth (mKB)
 TVD (mKB)
 Inclination (°)
 Azimuth (°)

 Sidetrack 1
 2,009.00
 2,008.80
 0.76
 163.52

Team Leader, Supervisor, & Engineers

Title	Job Contact
Manager, Drilling Project (Development)	Adrian Young
Manager, Completion and Intervention	Kasim Selamat
Intervention Engineer	Intiran Raman
Drilling Supervisor	Scott Caldow
Drilling Supervisor	Cole Lucky
Completion Supervisor	Malcolm Martin
Completion Supervisor	Alistair Gauld

AFE & Field Estimated Cost

WBS/AFE Number 401-00157.01.01.01 / 401.0012		Total WBS/AFE Amount (Cost) 30,173,144.37		Total WBS/AFE + Supp Amount (Cost) 30,173,144.37
Permit #/Well License #	Daily Cost (Cost)	Cum Daily Cost (Cost)	Daily Mud (Cost)	Cum Daily Mud (Cost)
	798,399.35	14,712,284.43	15,953.75	2,623,344.10

Safety

Days Since Lost Time Incident (days) 168.00	Days Since Reportable Incident (days) 168.00			
Туре	Last Date	Next Date		
BOP Function Test	6/23/2020	6/30/2020		
BOP Pressure Test	6/18/2020	7/9/2020		
Safety Drill	6/23/2020	6/30/2020		
Safety Meeting	6/21/2020	6/28/2020		

Observation Card Summary

observation dara duminary	
PE/Stop Type	Count
STAR Observation Cards	189
Tool Box Risk Assessment (TBRA)	19
Permit to Work	19

Safety Comments

Comment

Near Misses: Personnel were working in a work basket above the rig floor to secure the umbilical in the Expro cased wear joint using an air ratchet. During the operation an air regulator/lubricator, weighting 1.34kg became detached from its frame which was secured and fell 10.9m to the rig floor. Safety Stand Down was held with crew on rig floor after incident and also with crew prior to coming on tour at 12:00. Investigation ongoing - No Injury to Personnel

Days since Last Drop: 0 day Days since First Aid Cases: 111 days

STAR Observation Card Summary: Positive - 152; TOFS - 4; Unsafe Act - 20; Unsafe Condition - 17; Near Misses - 1.

Pre-Tour Safety Topic :: Safety Stand Down

- Dropped objects and working at height
- Red Zone area and Importance of Barriers
- Stay Focused and Continue with great job the team are doing

Comment

COVID-19 Issues:

- From June 1, 2020, expatriates will be required to obtain a letter of undertaking for the QT hotel prior to traveling to Malaysia
- Labuan Point hotel excess rooms have been released as per PETRONAS instructions
- PETRONAS met with authorities and Labuan restrictions have eased
- Expatriates still need 14 days quarantine for those flying by chopper as per ministry of transport directive
- Received letter of support from MPM for technical employees from PTTEP, EP Engineering, NUV Engineering
- EXPRO and other service companies without valid work permits were not supporting
- Discussion with MPM drilling on expatriate movements held on the 19th of June
- Immigration authorities have allowed category 1 visas and talent residence visa holders into the country without pre-approval
- Minister of Health considering travel bubbles with Japan, South Korea, New Zealand, Australia, Singapore and Brunei subject to mutual and reciprocal agreements

- COVID-19 drilling costs being finalized for end of campaign

Page 1/6 Report Printed: 6/28/2020



Report No.: 17.0 Date: 6/27/2020 DFS: 15.81 DOL: 17.00 Planned DOW: 29.50

Well Name: RT-P1

Wellbore Name: Sidetrack 1

Operations Summary
Operations Summary

TIH with 7" landing string, P/U upper and lower lubricator valves, P/U CTLF, and flow head, land, latch and test TH, perform inflow test.

24 Hr Forecast

Spot packer fluid, set and test packer, Recover isolation sleeve, set nipple protector, cycle open FIV, flow well for clean up.

Start Time	End Time	Dur (hr)	Phase	Activity	Sub Activity	Туре	Operation
00:00	03:00		Production,	TUBING	TBGRUN		TIH w/ SSTT / TH assy.
			Tubing Hanger				- TIH on 7" landing string from 1322m to 1838m - At a controlled speed of 4mins/std - With C/K lines vented to strip / TT - Install umbilical clamps every other connection - Total clamps = 49 - Double clamps = 1
03:00	04:30	1.50	Production,	TUBING	TBGRUN	Р	P/Up upper and lower lubricator assembly.
			Tubing Hanger				- Space out with landing pup joints - Function test SSLV per Expro procedures - Flush SSLV chemical injection line with HW540 - Pressure test Upper Lubricator Valve - Open line 5000psi/5mins - Close line 6000psi/5mins - Pressure test Lower Lubricator Valve - Open line 5000psi/5mins - Close line 6000psi/5mins
04:30	10:30	6.00	Production,	TUBING	TBGRUN	Р	P/Up CTLF and Surface Tree.
			Tubing Hanger				- P/Up CTLF to rig floor from RCWM, latch into elevator - Install 6' bails - P/Up surface tree and landing joint assembly - M/Up cement hose to kill wing valve c/w 2 low torque valves - P/Up to the vertical position - Install 7" saver pup on btm of 7" landing joint assembly M/up landing joint assembly to landing string, - Install EXPRO umbilical lines into riser protection guard on STT landing joint Remove RS350 slips - Install master bushings - P/up wt 384kips S/off wt 380kips.
10:30	12:00	1.50	Production, Tubing Hanger	TUBING	TBGLND HGR	P	Land TH in XMT. Review valve status Open (IWOCS) - AAV, AMV, PMV and XOV Open (ROV) HRV, and PVV Confirm THRT latch and TH unlock each have 5,000psi at Expro reel Pump from IWOCS via AMON line and HRV 2 liters/min- Line up tree valves Confirm vessel offset Slack off string while monitoring indicators Observed increase in pressure on Amon line (stopped pumping) Applied 20k weight down, Confirm index line Apply an additional 10K down weight Close 9 5/8" UPR rams with 17.1 gallons w/500psi BOP manifold pressure Apply 1,000psi down kill line between 9 5/8" rams and TH 0.6bbls pumped. Lock TH to XT w/ 5000psi Bleed off pressure (0.6bbl return) No communication observed with the Expro unit Open UPR w/ 16.9gal O/Pull to 100k Slack off maintaining 25K overpull on landing string Close UPR w/ 15.5gal
12:00	13:00	1.00	Production, Tubing Hanger	TUBING	TBGLND HGR	P	Test tubing hanger with cement unit. - Pressure up down the kill line with UPR closed - Test tubing hanger from above to 500psi/5 minutes and 5000psi/15 minutes - Volume pumped 1.25bbls volume returned 1.25bbls - Engage H-Pen with ROV Total Turns = 22.5 Max Torque = 832 Nm. Confirm communication with Downhole Gauge 3309 psi/43.0 degree C

Page 2/6 Report Printed: 6/28/2020



Report No.: 17.0 Date: 6/27/2020 DFS: 15.81 DOL: 17.00 Planned DOW: 29.50

Wellbore Name: Sidetrack 1

Well Name: RT-P1

Start							
Time	End Time	Dur (hr)	Phase	Activity	Sub Activity	Туре	Operation
13:00	16:00	3.00	Production,	TUBING	TBGLND	Р	Test Gallery seals.
			Tubing Hanger		HGR		- Confirm valve status - Test upper & middle gallery seals via PVV with 500/ 5000psi-5/25mins - Volume pumped 1.07, returned 1.07 - Configure tree to test bore seals - Test bore seals w/ cement unit with 500/5000psi-5/15mins - Volume pumped 1.33, returned 1.33
16:00	17:00	1.00	Production, Tubing Hanger	TUBING	TBGLND HGR	P	Pressure test Surface lines and 7" Landing string. - Line up cement unit to string - Open AMV & AAV - Flush w/ 5bbl 10.2ppg brine - Close kill wing & pressure test surface lines with 500/5000psi-5/10mins - Volume pumped .13bbls / return .13bbls - Bleed pressure & open kill wing - Close retainer valve - Pressure test L/String with 500/5000psi-5/10mins - Volume pumped 3.7bbl / return 3.7bbl Offline - Position Geowell slickline equip. on RCWM bridge - R/U Geowell slick line lubricator and test to 500/5,000psi 5/10 minutes - R/U coflex hose to STT flow wing valve
							•
17:00	18:00		Production, Production,	TUBING	TBGLND HGR	P	Perform inflow test of SCSSV's. - Pressure test surface lines to 5000psi/5mins w/ 10.2ppg brine - Align cement unit to kill line - Open AMV - Close PMV, XOV, & lower SCSSV - Flush 3bbls 10.2ppg brine through lines - Close lower SCSSV - Pressure test lower SCSSV to 750psi/15mins - (1.0bbl pumped / returned) - Bleed pressure - Open lower SCSSV - Break circulation with 3bbls - Close upper SCSSV - Pressure test upper SCSSV to 750psi/15mins - 1.0bbl pumped / returned - Open upper SCSSV & break circulation Spot 35bbl base oil in kill line.
			Tubing Hanger				- Align cement unit to kill line - Pump 35bbl 6.7ppg base oil at 64gpm/114psi - Align rig pumps to kill line - Spot base oil by displacing with 42bbl 10.2ppg brine at 170gpm/120psi
19:00	20:30	1.50	Production, Tubing Hanger	DIS		Р	Spot packer fluid / displace string to base oil. - Pump 20bbl 10.4ppg MEG at 170gpm/180psi - Pump 200bbl 10.4ppg packer fluid at 170gpm/190psi - Pump 210bbl 6.7ppg base oil at 170gpm/195psi - Stop pumps & close upper LBV w/ 980psi below - Bleed pressure & close master valve
20:30	23:00	2.50	Production, Tubing Hanger	PKR		P	Prep / set packer. - Flush surface lines w/ 17bbl 10.2ppg brine - Open master valve - Equalize above upper LBV w/ 980psi & open same - Pump 8.0bbl base oil close auto-choke - Pressurize to 1200psi (+200psi) - Pressurize string to 4500psi to set packer / hold for 15mins - Bleed pressure from annulus (1.1bbl returned) - Maintain 4500psi/15mins in string - Bleed off to 980psi (3.5bbl returned) - Close upper LBV / bleed off - Close master valve

Report Printed: 6/28/2020 Page 3/6



Report No.: 17.0 Date: 6/27/2020 DFS: 15.81 DOL: 17.00

Planned DOW: 29.50

Well Name: RT-P1 Wellbore Name: Sidetrack 1

Start	F 1 T	D (1)	Di	A . 4114	0.1.4.45.46.		Orange			
Time	End Time	(/	Phase	Activity	Sub Activity	Туре	Operation			
23:00	00:00		Production, Tubing Hanger	PKR			Test packer from above & TH from below. - Close KWV - Align cement unit to choke line - Test with 1500psi/15mins 1.2bbl pumped / returned) Concurrently - Install NRV at KWV			
Time Log	Fime Log Total Hours (hr)									

Offline Activity Dates

Start Date End Date Description

Operations at Report Time

Operations Summary

Operations Next Report Period

Offline Activity Time Logs

Start Time	End Time	Dur (hr)	Activity	Sub Activity	Wellbore	Operation						

00:00 - 06:00 Update

00.00	00.00	oo.oo opaate							
Start Time	End Time	Dur (hr)	Phase	Activity	Sub Activity	Туре	Operation		
00:00	05:00		Production, Tubing Hanger	SLICKOP	SLKPLUG	P	Slickline Operations. - Equalize pressure and open SV - RIH recover isolation sleeve and POOH to surface - L/Out isolation sleeve - M/Up Nipple Protector - Test quick sub to 3,500psi - Equalize pressure across lower lubricator with cement unit, open lubricator valve - TIH from surface to 1207m - Set and jar off Nipple Protector - POOH from 1207m to surface - Close lubricator - Equalize pressure across KWV to 980psi - Bleed off pressure - Close master valve		
05:00	06:00	1.00	Production, Tubing Hanger	WELLHEAD	WHDTST	P	Test Surface Equipment. - Close PWV, open SV - Test from well test choke manifold to PWV with N2		

Mud Data

Mud Base Type	Density (lb/gal)	ECD - Manual Entry (I	Electric Stab (V)	Funnel Viscosity (s/qt)	PV Override (cP)	YP Override (lbf/100ft²)	Solids (%)
Brine	10.20						
Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Filtrate (mL/30min)	HTHP WL (mL/30min)	Filter Cake (1/32")	H2O (%)	Oil (%)	Oil Water Ratio
Sand (%)	LGS (%)	LGS by Weight (lb/bbl)	Avg SG of Solids (sg(h	Chlorides (mg/L)	Calcium (mg/L)	Max H2S (ppm)	KCI (lb/bbl)

Remarks

- Pumped 20 bbl 10.4 ppg NaBR/30% MEG, 200 bbl 10.4 ppg Packer fluid and 210 bbl Base oil
- Flush and clean Brine Tank #1, #2 and #3 offline
- Sack room empty of chemicals

		Fann Data							
	ſ	Vis 3rpm	Vis 6rpm	Vis 100rpm					

Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Pump / Hydraulics

Pump #	Make	Model	Stroke (in)	Liner Size (in)
1	National Oilwell Varco (NOV)	14-P-220	14.00	6 1/2
2	National Oilwell Varco (NOV)	14-P-220	14.00	6 1/2
3	National Oilwell Varco (NOV)	14-P-220	14.00	6 1/2
4	National Oilwell Varco (NOV)	14-P-220	14.00	6 1/2
Pump#	Eff (%)	P (psi)	Strokes (spm)	Q Flow (gpm)



West Carina Bentonite

West Carina Brine

West Carina Diesel West Carina Drill Water

Daily Operations Report

Report No.: 17.0 Date: 6/27/2020 DFS: 15.81 DOL: 17.00

Well Name: RT-P1 Wellbore Name: Sidetrack 1

sacks

bbl

bbl

Planned DOW: 29.50 Bits Depth In (mKB) Size (in) Model SN Nozzles (1/32") Date In Bit Dull BHA #<stringno>, <des> Date Out Max Nominal OD (in) String Length (m) String Wt Down (1000lbf) Torque Off Bottom End Depth (mKB) String Weight Up (1000lbf) String Wt Rot (1000lbf) Drag (1000lbf) Torque On Bottom **Assembly Components** Component Type Len (m) ID (in) # of Jts OD (in) Connections Com (lb/ft) (1000lbf) Surveys MD (mKB) Incl (°) Azm (°) TVD (mKB) NS (m) EW (m) VS (m) DLS (°/30m) Personnel Vendor Vendor Note PTTEP Operator 8 Aker Solutions Tree 6 2 Halliburton Baroid - Mud Engineer 2 Halliburton Cementing Performance Coach 1 Reach Coach Selaut Oiltools TRS 6 Oceaneering ROV 6 Completion 1 Schlumberger 23 Welltest & Subsea Expro Filtration 2 Uzma Seadrill Rig Contractor 49 Rig Subcontractor - Connect Energy Seadrill 13 Seadrill Rig Subcontractor - OVE 30 Seadrill Rig Subcontractor - ISOS Rig Subcontractor - Sodexo 15 Seadrill Upper Completion Halliburton 3 Schlumberger - Dowell Nitrogen 5 Geowell Slickline Schlumberger - Wellog E-Plug 1 Schlumberger - Wellog Wireline 3 Halliburton Tronic Head Count 185.0 Material - Bulk Unit Label Product Name Received Consumed Cum On Loc Pacific Hawk Base Oil bbl 0.0 0.0 0.0 Pacific Hawk Brine bbl 0.0 0.0 0.0 Pacific Hawk Brine bbl 0.0 0.0 0.0 Pacific Hawk Diesel 0.0 0.0 0.0 Pacific Hawk Potable Water bbl 0.0 0.0 0.0 Pacific Hawk Surface Blend Cement ΜT 0.0 0.0 0.0 Pacific Hornbill Base Oil bbl 0.0 0.0 800.0 Pacific Hornbill Brine bbl 0.0 0.0 0.0 483,422.0 Pacific Hornbill Diesel 0.0 4,492.0 Pacific Hornbill Potable Water bbl 0.0 44.03 4,126.12 SK Atlantik Base Oil bbl 0.0 0.0 25.0 0.0 SK Atlantik Bentonite sacks 0.0 0.0 SK Atlantik Brine bbl 0.0 0.0 3,427.0 SK Atlantik Diesel 0.0 13,290.0 177,671.0 SK Atlantik Drill Water bbl 0.0 0.0 362.0 SK Atlantik MB-DIF bbl 0.0 0.0 0.0 bbl 0.0 SK Atlantik MB-DIF 0.0 0.0 SK Atlantik Potable Water 31.45 bbl 0.0 332,446.46 West Carina Barite sacks 0.0 0.0 829.76 West Carina Base Oil bbl 0.0 80.0 913.0

0.0

0.0

37,000.0

44.03

0.0

0.0

3,162,000.0

5,208.2

0.0

0.0 150,000.0

0.0



Report No.: 17.0 Date: 6/27/2020 DFS: 15.81

DOL: 17.00 Planned DOW: 29.50

525.11

0.0

Well Name: RT-P1
Wellbore Name: Sidetrack 1

West Carina Surface Blend Cement

Material - Bulk Product Name Unit Label Cum On Loc Received Consumed West Carina MB-DIF bbl 0.0 0.0 0.0 West Carina Potable Water hhl 415.13 345.94 6,258.88 West Carina Production Blend Cement ΜT 0.0 0.0 31.5

0.0

Weather

Wind Direction Wind Speed (knots) Wave Height (m) Swell Height (m) Swell Direction (°) Swell Period (s) 00:00 22.0 202.5 1.00 1.00 270.00 5.00 Current Direction (°) Temperature - Low (°C) Current Speed (knots) Visibility (km) Heave (m) Pitch (°) Roll (°) Temperature - High (°C) 24.0 26.0 202.50 0.20 0.20 0.10 25.0

ΜT

Anchor Tension

Pos Type Des Tension (kips) Dir

Support Vessels

oupport voccolo								
Vessel Name	Vessel Type	Arrival Date	Note	Depart Date				
Pacifik Hawk	Supply Vessel		Onhire 19 February 2020 16:30 Hours					
			Offhire 21 May 2020 12:00 Hours					
Sea Gull	Supply Vessel		Onhire 27 February 2020 18:00 Hours					
			Offhire13 April 2020 12:00 Hours					
SK Atlantik	Supply Vessel	6/22/2020	Onhire 7 February 2020 00:00 hrs	6/21/2020				
Pacific Hornbill	Supply Vessel	6/26/2020	Onhire 21 May 2020 16:00 Hours	6/25/2020				

Remarks

Remarks

Days on PTTEP Contract: 118.0 days (Rig on-hire 02 03 2020, 21:00 hrs)

Days on RT-P1: 17.0 days

Total AFE for Block H Campaign = \$129,480,424

Total Expenditure for West Carina Rig Mob Demob = \$10,807,688.94

Total Expenditure for RT-P1 = \$14,712,284.07 Total Drilling Expenditure for RT-P1 = \$5,316,634.80 Total Completion Expenditure for RT-P1 = \$9,395,649.27

Total Expenditure for RT-P2 = \$21,285,556.04 Total Drilling Expenditure for RT-P2 = \$8,439,293.57 Total Completion Expenditure for RT-P2 = \$12,846,262.47

Total Expenditure for RT-P3 = \$23,548,791.21 Total Drilling Expenditure for RT-P3 = \$8,438,388.78

Total Drilling Expenditure for R1-P3 = \$8,438,388.78 Total Completion Expenditure for RT-P3 = \$15,110,402.55

Total Expenditure for BL-P1 = \$30,114,718.46 Total Drilling Expenditure for BL-P1 = \$12,271,647.00 Total Completion Expenditure for BL-P1 = \$17,843,071.46

Total Expenditure for Block H Phase 1A Campaign = \$100,469,038.72

Project WBS No

401-00129.03.03 Rotan Support Vessel (\$400,000.00) 401-00151.03.01 Buluh Support Vessel (\$400,000.00)

"MPM Status - GREEN"

Rig Position (Timbalai Datum): Latitude: 07° 20' 59.550" N Longitude: 115° 51" 55.380" E Heading: 080.00° (True)

RKB – MSL: 24 m Water Depth: 1,189.0 m RKB - Mudline: 1,213.0m MD RKB- 18 3/4" LPWHH: 1,210.53m MD RKB - 18 3/4" HPWHH: 1,209.63m MD

RKB – 18 3/4" x 10 3/4" Casing Hanger: 1,211.17m MD RKB – 18 3/4" x Lock Down Bushing: 1,210.50m MD

Vessel Movements: SK Atlantik = At West Carina Pasifik Hornbill = At West Carina

Page 6/6 Report Printed: 6/28/2020