



WATER BASED MUD Daily Operation Report

Date	4/10/2023	Section name	8 1/2" Section					
Report	12	Report Depth	m	1753	MDBRT	1699		TVDBRT
Rig Name / #	469	Prev Report Depth	m	1426	MDBRT	1388		TVDBRT
Mud Ops start date		Daily metres drilled		327	Report time	23:59 Hr		
Spud date		Section metres drilled		1144	Avg ROP	14.2		m/hour
RT-Ground Level m		Report time activity	Circulation					

OPERATOR	Tamboran Resources	CONTRACTOR	H & P	
REPORT FOR	Maurice Verkerk	REPORT FOR	Joseph Stowell	
WELL NAME AND No.	Amungee NW 3H	FIELD	LOCATION	STATE
		EP 117	Beetaloo Basin	Northern Territory

BHA	BIT TYPE	JET SIZE	DEPTHS/CASING	MUD VOLUME (BBL)	CIRCULATION DATA			
BIT SIZE (") 8.5	PDC Bit - VAREL	12 12 12 12 12	22.00 Riser Length	HOLE VOL 410	MUD INHOLE 347	PUMP SIZE 6 x 11 Inches	CIRCULATION PRESS	psi
DRILL PIPE SIZE (") 5.5	TYPE DP	LENGTH 1,480 m	Conductor @ 0 m	Active Pits 407	Reserve Pits 439	PUMP MODEL Gardner-Denver	% EFFICIENCY 97	SURFACE TO BIT 0 min
DRILL PIPE SIZE (") 5.5	TYPE HW	LENGTH 48 m	18.625 Surface @ 84 m	TOTAL CIRCULATING VOL 754		BBL / STK	STK / MIN	BOTTOMS UP 0 min
DRILL COLLAR SIZE (") 6.65	6.5	LENGTH 49 176 m	13.375 Intermediate @ 280 m	STORAGE TANKS 0		BBL / MIN 0	GAL / MIN 0	TOT CIRC TIME min
			9.625 Prod. or LNR @ 605 m					ECD ppg/sg 0

MUD PROPERTIES										MUD PROPERTY SPECIFICATIONS									
SAMPLE FROM	Pit			Pit			FL			Pit			Mud Wt	9.6-9.8	Yld Pt	>14	API Loss	<=12	
MUD TYPE	CL H			CL H			CL H			CL H			pH	8.5-9.5	MBT	<10	Solids	:=3%	
TIME SAMPLE TAKEN	3:00			8:30			14:15			22:30			MUD COMMENTS						
DRILLING FLUID TEMPERATURE °C (In/Out)	55	59		59	65		60	65		62	68	Build 120 bbls premix mud of 9.1 ppg. Transfer across slowly to active to keep mud weight at 10.0 ppg Run water at 2 bbl/hr to Active for mud hydration. 3 ppb OM2 added to mud system for bridging in Moroak Sandstone. Treated active with 1 ppb NDFT325 corrosion inhibitor.qg Run Desilter at 2:30 hrs. Mud weight under the Cones = 13.2 ppg. Ran centrifuge for 3.5 hrs with centrate at 9.7 ppg. Increase mud weight from 10.1 to 10.6 ppg with Calcium Chloride and Barite. BHCT = 70 Deg Centigrade at 3:00 hrs							
TOTAL MEASURED DEPTH (TMD) Metres	1486			1564			1646			1753									
INCLINATION (Deg)	17			17			17												
WEIGHT ppg / SG	10.0	1.20		10.0	1.20		10.0	1.20		10.6	1.27								
FUNNEL VISCOSITY (sec / qt) API	48			47			49			47									
RHEOLOGY 600 : 300 RPM 120 °F / 49 °C	50	35		50	35		50	35		58	40								
RHEOLOGY 200 : 100 RPM 120 °F / 49 °C	29	21		29	21		28	20		32	22								
RHEOLOGY 6 : 3 RPM 120 °F / 49 °C	8	6		7	5		7	5		8	6								
PLASTIC VISCOSITY cP @ 120 °F / 49 °C	15			15			15			18									
YIELD POINT (lb / 100 ft²) 120 °F / 49 °C	20			20			20			22									
GEL STRENGTH (lb / 100 ft²) 10sec/10min/30min	6	16		5	16	23	5	15	23	7	19	26							
LOW SHEAR RATE VISCOSITY (LSRV)	4			3			3			4									
n K (lb / 100 ft²)	0.51	1.42		0.51	1.42		0.51	1.42		0.54	1.42	OPERATIONAL COMMENTS							
API FILTRATE (cm³ / 30 min.)	11.2			12.2			12.6			11.8			Continue drilling 8.5" directional hole from 1426 to 1753 m. Circulate 1.5 bottoms up and shakers clean. Flow check at report time, 24:00 hrs. Drilling parameters: WOB 20-34, RPM 80-100 GPM 650, Off Btm 2400, Diff 300, Torque Off 9 Tq on 16						
HPHT FILTRATE (cm³ / 30 min.) °F / °C																			
API : HPHT (Cake / 32nd in.)	1			1			1			1									
pH	9.5			9.5			9.0			9.0									
ALKALINITY MUD (Pm)	0.86			0.72			0.73			0.42									
ALKALINITY FILTRATE (Pf / Mf)	0.57	1.7		0.50	1.7		0.58	1.7		0.26	1.2								
CHLORIDE (mg / L)	58000			50000			55000			69000									
TOTAL HARDNESS AS CALCIUM (mg / L)																			
SULPHITE(mg / L) / CaCO3 (ppb)		7.5									5.0								
KCL / K2CO3/ K2SO4																			
K + (mg / L)	0			0			0			0									
PHPA (ppb)																			
METHYLENE BLUE CAPACITY (ppb / % by vol)	7.5	0.8		7.5	0.8		5.0	0.6		7.5	0.8	Water Source							
BENTONITE ADDED (ppb / % by vol)		0.0			0.0			0.0			0.0	Water Bore							
OTHER PRODUCTS ADDED (ppb / % by vol)												MUD ACCOUNTING (BBLs)							
OTHER LIQ PRODUCTS ADDED (ppb / % by vol)												SUMMARY							
Glycol % v/v	1.2			1.1			1.7			1.7			FLUID BUILT		FLUID LOSSES		Start Vol	1111	
OIL (% by Vol)	0.0			0.0			0.0			0.0			Drill Water	65	S.C.E.	18	Received	0	
TOTAL WATER (% by Vol)	90.5			90.5			90.5			88.4			Chemical	35	Discharge	0	Backload	0	
TOTAL SOLIDS (% by Vol)	9.5			9.5			9.5			11.6			Sump/SeaW	0	Downhole	0	Built	100	
SAND (% by Vol)	0.1			0.1			0.1			0.1			Other Rec'd	0	Tripping	0	Lost sub	0	
													Other Built	0	Other	0	Lost srf	18	
	TOTAL MUD ON RIG (bbls) : 1193																		

PRODUCT USAGE						SOLIDS CONTROL EQUIPMENT						Time Breakdown		
Product	UnitSize	Start	Received	Used	Close	Type		Hrs	OF	UF	Analysis Item	Hrs		
CleanTrol HD	22.7Kg	732	0	12	720	Centrifuge 1	NOV-Big Bowl	4	9.7	15.2	Drilling	23		
AvaGlyco LC	208Ltr	78	0	7	71						Circulation	1		
Magnesium Oxide	20Kg Sack	358	0	6	352									
NewZan D	25Kg	264	0	6	258									
Barite BB 1.5MT - Darwi	1500Kg	39	0	5	34	Shale Shaker #1	4x170	24						
CaCl2 - Prills - bb	1000Kg	173	0	3	170	Shale Shaker #2	4x170	24						
Idcide-G50	20Ltr	69	0	2	67	Shale Shaker #3	4x170	24	SOLIDS ANALYSIS					
NDFT 325	208Ltr	6	0	1	5				Salt %	3.8	HGS %	4.6	Turbidity (NTU)	0
Omyacarb 2 (bb)	1000Kg	75	0	1	74						LGS %	3.2	TSS %	0
									Corrected Solids %	7.8	Drilled Solids%	2.7	Conduct. (uS/cm)	
													DO mg/l	0
						CURRENCY		DAILY COST		CUMULATIVE COSTS				
						AUD		\$23,778.50		\$137,475.00				



DAILY MUD VOLUME ACCOUNT

Date : 4/10/2023
Report No: 12

Well Name: Amungee NW 3H
Operator : Tamboran Resources

FLUID BUILT		DAILY	CUMULATIVE	FLUID LOSSES:		DAILY	CUMULATIVE
Premix drill water		65 bbl	11756 bbl	Losses Attributed To Shakers:		13 bbl	392 bbl
Chemical Volume added		35 bbl	168 bbl	Losses To Centrifuge:		5 bbl	73 bbl
Sump recycled water				Losses To Desander/Desilter:			179 bbl
Seawater				Losses To Cutting Dryer/Mud Cleaner:			
Other Received on Rig				Losses To Tripping:			
Other Built				Discharged:			
TOTAL BUILT:		100 bbl	11924 bbl	Other Surface Losses:			
				Surface Losses Subtotal:		18 bbl	645 bbl
WHOLE MUD TRANSFERS ON/OFF		DAILY	CUMULATIVE				
DAILY BACKLOADED:		0		Seepage Losses:			
DAILY RECEIVED:		0	770	Lost Circulation:			10337
Cuttings Volume:				Lost Behind Casing/Left Downhole:			
				Other Sub-Surface Losses:			
				Sub-surface Losses Subtotal:		0 bbl	10337 bbl
				TOTAL DISPOSED:		18 bbl	10981 bbl
				Interval losses (bbl/m) :		3	34

TANK STORAGE VOLUMES						
		Tank Volumes (bbls)				
Tank Name	Tank Status	Current	Capacity	MW	(ppg)	MW(sg) Comments
Sandtrap	Active	23	77	10.55	1.26	CleanTroll HD
Degasser	Active	17	77	10.55	1.26	CleanTroll HD
Desilter	Active	17	77	10.55	1.26	CleanTroll HD
Backflow	Active	17	77	10.55	1.26	CleanTroll HD
Tank#1	Active	57	100	10.55	1.26	CleanTroll HD
Tank#2	Active	58	100	10.55	1.26	CleanTroll HD
Tank#3	Active	48	100	10.55	1.26	CleanTroll HD
Suction#1	Active	57	100	10.55	1.26	CleanTroll HD
Suction#2	Active	56	100	10.55	1.26	CleanTroll HD
Suction#3	Reserve	79	100	9.8	1.17	CleanTrol HD
Slug	Reserve	40	100	12.8	1.53	CleanTrol HD
F/L	Active	15	10	10.55	1.26	
T/T-1	Active	21	35	10.55	1.26	CleanTrol HD
T/T-2	Active	21	35	10.55	1.26	CleanTrol HD
Frac Tank-1	Reserve	320	450	10.6	1.27	CaCl2 Brine
Frac Tank-2	Reserve	0	450			
Frac Tank-3	Reserve		450			

VOLUME SUMMARY:		+	-
Starting Volume:		1111	
Current Tank Volume:		407	
Mud Volume In Hole(Incl Ri		347	
Other Volume In Hole:			
Riser Volume:			
Total Hole Volume:		410	
Total Built:		100	
Total Storage:			
Total Reserve:		439	
Total Disposed:			18
Whole Mud Backloaded:			
Whole Mud Received:			
TOTAL MUD AT RIGSITE		1193	bbls
VOLUME BREAKDOWN			
FLUID TYPE VOLUME BREAKDOWN 24hr Consumption			
	15		
CACL2 BRINE	320		
CLEANTROL HD	161		
CLEANTROLL HD	350		

Daily Inventory

Report No: 12

Well: Amungee NW 3H

Report Date: 4/10/2023

Product	Unit Size	Start Amnt	Daily Rec'd	Cumul Rec'd	Daily Used	Cumul Used	Daily B'Load	Cumul B'Load	Final Stock
Alpine Spotting Beads	50lb	252		252					252
Ancor 1 (190 Lt)	190Ltr	24		24					24
AvaGlyco LC	208Ltr	78		87	7	16			71
Barite BB 1.5MT	1500Kg	16		20		4			16
Barite BB 1.5MT - Darwin	1500Kg	39		53	5	19			34
CaCl2 - Prills - bb	1000Kg	173		195	3	25			170
Caustic Soda	25Kg Drum	39		42		3			39
Citric Acid	25Kg Sack	138		138					138
CleanTrol HD	22.7Kg	732		829	12	109			720
DEFOAM AP 400	25Ltr	50		50					50
Desco CF	25lb	16		16					16
Dynafiber AP Fine	11.34Kg	246		246					246
Dynafiber AP Medium	11.34Kg	283		288		5			283
Dynafibre AP Coarse	11.34Kg	48		48					48
Idcide-G50	20Ltr	69		80	2	13			67
JK-161 LV	25Kg	77		85		8			77
KCL (L)	1000Kg Bulk Bag	24		31		7			24
Lime 25 Kg	25Kg	30		38		8			30
Magnesium Oxide	20Kg Sack	358		374	6	22			352
NDFT 325	208Ltr	6		7	1	2			5
NewPac LV 25 Kg	25Kg	153		180		27			153
NewSeal 25	25Kg	119		119					119
NewZan D	25Kg	264		323	6	65			258
Omyacarb 2 (bb)	1000Kg	75		75	1	1			74
Omyacarb 5 (bb)	1000Kg	18		18					18
Radiagreen EME	175Ltr	20		20					20
Salt 1000 Kg BB	1000Kg	4		4					4
SAPP	25Kg Sack	48		48					48
Soda Ash	25Kg Sack	48		48					48
Sodium Bicarbonate	25Kg Sack	48		64		16			48
Sugar	25Kg Sack	21		37		16			21
TEA (230 KG)	230Kg	22		22					22
TrueScav HD	25Kg	55		63		8			55
Zinc Oxide 25 Kg	25Kg	21		21					21