



# WATER BASED MUD Daily Operation Report

Date	9/10/2023	Section name	8 1/2" Section					
Report	17	Report Depth	m	2664	MDBRT	2447		TVDBRT
Rig Name / #	469	Prev Report Depth	m	2441	MDBRT	2447		TVDBRT
Mud Ops start date		Daily metres drilled	223	Report time	23:59			Hr
Spud date		Section metres drilled	2055	Avg ROP	10.9	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 - Ultterra	10	10	10	10	10	22.00	Riser Length	m	HOLE VOL 620	MUD INHOLE 520	PUMP SIZE 6 x 11 Inches		CIRCULATION PRESS 3400	psi	
DRILL PIPE SIZE (" ) 5.5	TYPE DP	LENGTH 2,086 m					Conductor @		0 m	Active Pits 478	Reserve Pits 292	PUMP MODEL Gardner-Denver	% EFFICIENCY 97	SURFACE TO BIT 12 min		
DRILL PIPE SIZE (" ) 5.5	TYPE HW	LENGTH 279 m					18.625	Surface @	84 m	TOTAL CIRCULATING VOL 998		BBL / STK 0.0933	STK / MIN 155	BOTTOMS UP 17 min		
DRILL COLLAR SIZE (" ) 6.65	6.5	LENGTH 287					12	m	13.375	Intermediate @	280 m	TOT CIRC TIME 69 min				
							9.625	Prod. or LNR @	605 m	STORAGE TANKS 0		BBL / MIN 14.47	GAL / MIN 608	ECD ppg/sg	12.52	1.5

MUD PROPERTIES												MUD PROPERTY SPECIFICATIONS							
SAMPLE FROM	FL			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	4:00			8:30		16:00		23:00		<div>MUD COMMENTS</div> <div>Treated mud with 0.8% Avaglycol, Ran centrifuge intermittingly to help control solids. Continued with water/brine addition to control gel strengths. Added 1 ppb Cleanrol HD to tighten fluid loss after water additions. Rheology increase with Cleanrol HD additons. Treated mud with 0.5 ppb NDFT 325 corrosion inhibitor plus 0.3 ppb Truescav HD oxygen scavenger. Changed screens to finer API200. 2 pails caustic soda added to increase pH Build 70 bbls Brine Premix with 20 sacks of CleanTrol HD, not yet transfer to Active. It is in Suction 3</div>									
DRILLING FLUID TEMPERATURE °C (In/Out)	64	72	66	73	67	74	66	74											
TOTAL MEASURED DEPTH ( TMD ) Metres	2498			2554		2639		2660											
INCLINATION (Deg)				60				78.93											
WEIGHT ppg / SG	11.6	1.39	11.6+	1.40	11.6	1.39	11.6	1.39											
FUNNEL VISCOSITY ( sec / qt ) API	48			51		51		55											
RHEOLOGY 600 : 300 RPM 120 °F / 49 °C	64	45	65	45	75	55	67	48											
RHEOLOGY 200 : 100 RPM 120 °F / 49 °C	36	28	37	28	47	37	40	31											
RHEOLOGY 6 : 3 RPM 120 °F / 49 °C	17	15	17	16	20	19	18	17											
PLASTIC VISCOSITY cP @ 120 °F / 49 °C	19			20		20		19											
YIELD POINT ( lb / 100 ft <sup>2</sup> ) 120 °F / 49 °C	26			25		35		29											
GEL STRENGTH ( lb / 100 ft <sup>2</sup> ) 10sec/10min/30min	22	40	50	20	40	45	26	35	43	20	32	34							
LOW SHEAR RATE VISCOSITY (LSRV)	13			15		18		16											
n K ( lb / 100 ft <sup>2</sup> )	0.51	1.90	0.53	1.65	0.45	3.38	0.48	2.39											
API FILTRATE ( cm <sup>3</sup> / 30 min. )	7.6			9.4		10.4		10.4											
HPHT FILTRATE ( cm <sup>3</sup> / 30 min. ) °F / °C																			
API : HPHT ( Cake / 32nd in. )	1			1		1		1											
pH	8.5			8.5		8.5													
ALKALINITY MUD ( Pm )	0.04			0.15		0.17													
ALKALINITY FILTRATE ( Pf / Mf )	0.01	0.7	0.01	0.7	0.01	0.7													
CHLORIDE ( mg / L )	110000			100000		101000		110000											
TOTAL HARDNESS AS CALCIUM ( mg / L )																			
SULPHITE( mg / L ) / CaCO3 (ppb)		7.5						8.0											
KCL / K2CO3/ K2SO4																			
K + ( mg / L )	0			0		0		0											
PHPA (ppb)																			
METHYLENE BLUE CAPACITY (ppb / % by vol)	12.5	1.4	12.5	1.4	12.5	1.4	12.5	1.4											
BENTONITE ADDED (ppb / % by vol)		0.0		0.0		0.0		0.0											
OTHER PRODUCTS ADDED (ppb / % by vol)																			
OTHER LIQ PRODUCTS ADDED (ppb / % by vol)																			
Glycol % v/v	1.1			1.0		1.5		1.5											
OIL ( % by Vol )	0.0			0.0		0.0		0.0											
TOTAL WATER ( % by Vol )	83.0			82.0		82.0		83.0											
TOTAL SOLIDS ( % by Vol )	17.0			18.0		18.0		17.0											
SAND ( % by Vol )	0.1			0.1		0.1		0.1											
										Water Source		Water Bore							
										MUD ACCOUNTING (BBLs)						SUMMARY			
										FLUID BUILT		FLUID LOSSES		Start Vol		1286			
										Drill Water	90	S.C.E.	139	Received	0				
										Chemical	53	Discharge	0	Backload	0				
Sump/SeaW	0	Downhole	0	Built	143														
Other Rec'd	0	Tripping	0	Lost sub	0														
Other Built	0	Other	0	Lost srf	139														
										TOTAL MUD ON RIG (bbls) : 1290									

PRODUCT USAGE						SOLIDS CONTROL EQUIPMENT					Time Breakdown		
Product	UnitSize	Start	Received	Used	Close	Type	Hrs	OF	UF	Analysis Item	Hrs		
CleanTrol HD	22.7Kg	650	0	40	610	Centrifuge 1	NOV-Big Bowl	4	9.8	15.8	Drilling	20	
Barite BB 1.5MT - Darwi	1500Kg	13	0	12	1					Trrouble shoot	3		
Omyacarb 2 (bb)	1000Kg	65	0	8	57					Circulation			
Caustic Soda	25Kg Drum	39	0	2	37								
Idcide-G50	20Ltr	65	0	2	63	Shale Shaker #1	4x200	24					
Lime 25 Kg	25Kg	26	0	2	24	Shale Shaker #2	2x 200, 2 x 170	24					
AvaGlyco LC	208Ltr	71	0	1	70	Shale Shaker #3	4x200	24	SOLIDS ANALYSIS				
DEFOAM AP 400	25Ltr	44	0	1	43			Salt %	5.9	HGS %	6.7	Turbidity (NTU)	0
NDFT 325	208Ltr	2	0	1	1					LGS %	4.4	TSS %	0
Radiagreen EME	175Ltr	0	20	0	20			Corrected Solids %	11.1	Drilled Solids%	3.5	Conduct. (uS/cm)	
												DO mg/l	0
						CURRENCY		DAILY COST		CUMULATIVE COSTS			
						AUD		\$32,113.00		\$289,398.10			



# DAILY MUD VOLUME ACCOUNT

Date : 9/10/2023  
Report No: 17

Well Name: Amungee NW 3H  
Operator : Tamboran Resources

FLUID BUILT		DAILY	CUMULATIVE	FLUID LOSSES:		DAILY	CUMULATIVE
Premix drill water		90 bbl	12112 bbl	Losses Attributed To Shakers:		57 bbl	652 bbl
Chemical Volume added		53 bbl	340 bbl	Losses To Centrifuge:		30 bbl	122 bbl
Sump recycled water				Losses To Desander/Desilter:		52 bbl	232 bbl
Seawater				Losses To Cutting Dryer/Mud Cleaner:			
Other Received on Rig				Losses To Tripping:			
Other Built				Discharged:			70 bbl
TOTAL BUILT:		143 bbl	12452 bbl	Other Surface Losses:			
				Surface Losses Subtotal:		139 bbl	1075 bbl
WHOLE MUD TRANSFERS ON/OFF		DAILY	CUMULATIVE	Seepage Losses: <input type="text"/> BBL/HR For <input type="text"/> hr			
DAILY BACKLOADED:		0		Lost Circulation:			10337 bbl
DAILY RECEIVED:		0	770 bbl	Lost Behind Casing/Left Downhole:			
Cuttings Volume:				Other Sub-Surface Losses:			
				Sub-surface Losses Subtotal:		0 bbl	10337 bbl
				TOTAL DISPOSED:		139 bbl	11412 bbl
				Interval losses ( bbl/m ) :		2	35

TANK STORAGE VOLUMES						
Tank Volumes (bbls)						
Tank Name	Tank Status	Current	Capacity	MW (ppg)	MW (sg)	Comments
Sandtrap	Active	24	77	11.6	1.39	CleanTroll HD
Degasser	Active	19	77	11.6	1.39	CleanTroll HD
Desilter	Active	19	77	11.6	1.39	CleanTroll HD
Backflow	Active	19	77	11.6	1.39	CleanTroll HD
Tank#1	Active	68	100	11.6	1.39	CleanTroll HD
Tank#2	Active	64	100	11.6	1.39	CleanTroll HD
Tank#3	Active	60	100	11.6	1.39	CleanTroll HD
Suction#1	Active	61	100	11.6	1.39	CleanTroll HD
Suction#2	Active	60	100	11.6	1.39	CleanTroll HD
Suction#3	Reserve	67	100	10.6	1.27	Brine/CleanTrol HD Premix
Slug	Reserve	45	100	14.5	1.74	ClenTrol HD
F/L	Active	30	10	11.6	1.39	CleanTrol HD
T/T-1	Active	27	35	11.6	1.39	CleanTrol HD
T/T-2	Active	27	35	11.6	1.39	CleanTrol HD
Frac Tank-1	Reserve	180	450	10.6	1.27	CaCl2 Brine
Frac Tank-2	Reserve		450			
Frac Tank-3	Reserve		450			

VOLUME SUMMARY:		+	-
Starting Volume:		1286	
Current Tank Volume:		478	
Mud Volume In Hole(Incl Ri		520	
Other Volume In Hole:			
Riser Volume:			
Total Hole Volume:		620	
Total Built:		143	
Total Storage:			
Total Reserve:		292	
Total Disposed:			139
Whole Mud Backloaded:			
Whole Mud Received:			
TOTAL MUD AT RIGSITE		1290	bbls
VOLUME BREAKDOWN			
FLUID TYPE VOLUME BREAKDOWN 24hr Consumption			
BRINE/CLEANTROL HD	67		
CACL2 BRINE	180		
CLEANTROL HD	84		
CLEANTROLL HD	394		
CLENTROL HD	45		



# Daily Inventory

Report No: 17

Well: Amungee NW 3H

Report Date: 9/10/2023

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	71		87	1	17			70
Barite BB 1.5MT	1500Kg	60		65		4		1	60
Barite BB 1.5MT - Darwin	1500Kg	13		53	12	52			1
CaCl2 - Prills - bb	1000Kg	142		195		53			142
Caustic Soda	25Kg Drum	39		42	2	5			37
Citric Acid	25Kg Sack	136		138		2			136
CleanTrol HD	22.7Kg	650		829	40	219			610
DEFOAM AP 400	25Ltr	44		50	1	7			43
Desco CF	25lb			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	65		80	2	17			63
JK-161 LV	25Kg	77		85		8			77
KCL (L)	1000Kg Bulk Bag	24		31		7			24
Lime 25 Kg	25Kg	26		38	2	14			24
Magnesium Oxide	20Kg Sack	344		374		30			344
NDFT 325	208Ltr	2		7	1	6			1
NewPac LV 25 Kg	25Kg	153		180		27			153
NewSeal 25	25Kg	119		119					119
NewZan D	25Kg	250		323		73			250
Omyacarb 2 (bb)	1000Kg	65		75	8	18			57
Omyacarb 5 (bb)	1000Kg	18		18					18
Radiagreen EME	175Ltr		20	40		12		8	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	45		64		19			45
Sugar	25Kg Sack	21		37		16			21
TEA (230 KG)	230Kg	21		22		1			21
TrueScav HD	25Kg	55		63		8			55
Zinc Oxide 25 Kg	25Kg	21		21					21