



# WATER BASED MUD Daily Operation Report

Date	30/09/2023	Section name	12 1/4" Section					
Report	8	Report Depth	m	609	MDBRT	609		TVDBRT
Rig Name / #	469	Prev Report Depth	m	373	MDBRT	373		TVDBRT
Mud Ops start date		Daily metres drilled	236	Report time	23:59			Hr
Spud date		Section metres drilled	326	Avg ROP	27.0	m/hour		
RT-Ground Level m		Report time activity	run casing and cementing					

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 (") 9.625	Casing 9 5/8	0 0 0 0 0 0	8.00 Riser Length m	HOLE VOL 180	MUD INHOLE 144	PUMP SIZE 6 x 11 Inches	CIRCULATION PRESS	psi
DRILL PIPE SIZE (") 5.5	TYPE DP	LENGTH 0 m	Conductor @ 0 m	Active Pits 383	Reserve Pits 141	PUMP MODEL Gardner-Denver	% EFFICIENCY 97	SURFACE TO BIT 0 min
DRILL PIPE SIZE (") 5.5	TYPE HW	LENGTH 0 m	18.625 Surface @ 84 m	TOTAL CIRCULATING VOL 527		BBL / STK	STK / MIN	BOTTOMS UP 0 min
DRILL COLLAR SIZE (") 9	9.625	LENGTH 0	605 m	13.375 Intermediate @ 280 m	STORAGE TANKS 90	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			FL									Mud Wt	9.6-9.8	Yld Pt	>14	API Loss	<=12		
MUD TYPE					CL H			CL H									pH	8.5-9.5	MBT	<10	Solids	:=3%		
TIME SAMPLE TAKEN					4:30			7:30									MUD COMMENTS							
DRILLING FLUID TEMPERATURE °C (In/Out)					43	46	49	52							Run Centrifuge to maintain mud weight at 9.8 ppg. Added water at 4-5 bbl/hr to help control mud weight. Centrate weight is 9.2 ppg. Cuttings are predominanntly Clays									
TOTAL MEASURED DEPTH ( TMD ) Metres					487			572									Dilute active system with 90 bbls of 9.4 ppg premixed mud to keep mud weight at 9.8 ppg. Good stead flow of cuttings over shakers, not sticky and travelling freely down stream over shakers. Shakers cleaned up well after 2 x bottoms up circulations at section TD.							
INCLINATION (Deg)								14.48									OPERATIONAL COMMENTS							
WEIGHT ppg / SG					9.8	1.17	9.7	1.16																
FUNNEL VISCOSITY ( sec / qt ) API					45			40																
RHEOLOGY 600 : 300 RPM 120 °F / 49 °C					48	35	42	30																
RHEOLOGY 200 : 100 RPM 120 °F / 49 °C					28	21	25	18																
RHEOLOGY 6 : 3 RPM 120 °F / 49 °C					8	6	7	5																
PLASTIC VISCOSITY cP @ 120 °F / 49 °C					13			12																
YIELD POINT ( lb / 100 ft <sup>2</sup> ) 120 °F / 49 °C					22			18																
GEL STRENGTH ( lb / 100 ft <sup>2</sup> ) 10sec/10min/30min					7	8	10	5	12	15														
LOW SHEAR RATE VISCOSITY (LSRV)					4			3																
n K ( lb / 100 ft <sup>2</sup> )					0.46	2.04	0.49	1.46																
API FILTRATE ( cm <sup>3</sup> / 30 min. )					11.2			12.8																
HPHT FILTRATE ( cm <sup>3</sup> / 30 min. ) °F / °C																								
API : HPHT ( Cake / 32nd in. )					1			1																
pH					9.5			9.5																
ALKALINITY MUD ( Pm )					0.88			0.60																
ALKALINITY FILTRATE ( Pf / Mf )					0.60	1.2	0.34	1.4																
CHLORIDE ( mg / L )					65000			43000																
TOTAL HARDNESS AS CALCIUM ( mg / L )																								
SULPHITE( mg / L ) / CaCO3 (ppb)								10.0																
KCL / K2CO3/ K2SO4																								
K + ( mg / L )					0			0																
PHPA (ppb)																								
METHYLENE BLUE CAPACITY (ppb / % by vol)					5.0	0.6	5.0	0.6																
BENTONITE ADDED (ppb / % by vol)						0.0		0.0																
OTHER PRODUCTS ADDED (ppb / % by vol)																								
OTHER LIQ PRODUCTS ADDED (ppb / % by vol)																								
Glycol % v/v					1.5			1.4																
OIL ( % by Vol )					0.0			0.0																
TOTAL WATER ( % by Vol )					91.0			92.0																
TOTAL SOLIDS ( % by Vol )					9.0			8.0																
SAND ( % by Vol )								0.25																
										Water Source										Water Bor				
										MUD ACCOUNTING (BBLs)						SUMMARY								
						FLUID BUILT				FLUID LOSSES				Start Vol		807								
Drill Water				60		S.C.E.		206		Received		0												
Chemical				7		Discharge		0		Backload		0												
Sump/SeaW				0		Downhole		0		Built		67												
Other Rec'd				0		Tripping		0		Lost sub		0												
Other Built				0		Other		0		Lost srf		206												
										TOTAL MUD ON RIG (bbls) : 668														

PRODUCT USAGE						SOLIDS CONTROL EQUIPMENT						Time Breakdown	
Product	UnitSize	Start	Received	Used	Close	Type		Hrs	OF	UF	Analysis Item	Hrs	
Barite BB 1.5MT - Darwi	1500Kg	53	0	8	45	Centrifuge 1	NOV-Big Bowl	9	9.2	15.2	Drilling	9	
CleanTrol HD	22.7Kg	591	0	7	584						Circulation	3	
NewZan D	25Kg	288	0	3	285						Flow check		
Magnesium Oxide	20Kg Sack	268	0	2	266						Tripping	2	
AvaGlyco LC	208Ltr	83	0	1	82	Shale Shaker #1	2x80,2x100	10			Lay down BHA	2	
Idcide-G50	20Ltr	74	0	1	73	Shale Shaker #2	2x80,2x100	10			Surface String H	2	
TrueScav HD	25Kg	56	0	1	55	Shale Shaker #3	2x80,2x100	10	SOLIDS ANALYSIS				
								Salt %	2.4	HGS %	1.8	Turbidity (NTU)	0
										LGS %	3.8	TSS %	0
								Corrected Solids %	5.6	Drilled Solids%	2.7		
												Conduct. (uS/cm)	
												DO mg/l	0
						CURRENCY		DAILY COST			CUMULATIVE COSTS		
						AUD		\$12,655.50			\$56,631.50		

# DAILY MUD VOLUME ACCOUNT

**Date** : 30/09/2023  
**Report No:** 8

**Well Name:** Amungee NW 3H  
**Operator** : Tamboran Resources

FLUID BUILT		DAILY	CUMULATIVE	FLUID LOSSES:		DAILY	CUMULATIVE
Premix drill water		60 bbl	11110 bbl	Losses Attributed To Shakers:		144 bbl	294 bbl
Chemical Volume added		7 bbl	48 bbl	Losses To Centrifuge:		23 bbl	23 bbl
Sump recycled water				Losses To Desander/Desilter:		39 bbl	86 bbl
Seawater				Losses To Cutting Dryer/Mud Cleaner:			
Other Received on Rig				Losses To Tripping:			
Other Built				Discharged:			
<b>TOTAL BUILT:</b>		<b>67 bbl</b>	<b>11158 bbl</b>	Other Surface Losses:			
				<b>Surface Losses Subtotal:</b>	<b>206 bbl</b>	<b>404 bbl</b>	

  

WHOLE MUD TRANSFERS ON/OFF		DAILY	CUMULATIVE	Seepage Losses:			
DAILY BACKLOADED:		0		Lost Circulation:			
DAILY RECEIVED:		0	770	Lost Behind Casing/Left Downhole:			
Cuttings Volume:				Other Sub-Surface Losses:			
				<b>Sub-surface Losses Subtotal:</b>	<b>0 bbl</b>	<b>10337 bbl</b>	
				<b>TOTAL DISPOSED:</b>	<b>206 bbl</b>	<b>10741 bbl</b>	
				<b>Interval losses ( bbl/m ) :</b>	<b>10</b>	<b>81</b>	

## TANK STORAGE VOLUMES

Tank Name	Tank Status	Current	Tank Volumes (bbls)				Comments
			Capacity	MW	(ppg)	MW(sg)	
Sandtrap	Active	23	77	9.7	1.16		CleanTroll HD
Degasser	Active	16	77	9.7	1.16		CleanTroll HD
Desilter	Active	16	77	9.7	1.16		CleanTroll HD
Backflow	Active	16	77	9.7	1.16		CleanTroll HD
Tank#1	Active	56	100	9.7	1.16		CleanTroll HD
Tank#2	Active	56	100	9.7	1.16		CleanTroll HD
Tank#3	Active	55	100	9.7	1.16		CleanTroll HD
Suction#1	Active	55	100	9.7	1.16		CleanTroll HD
Suction#2	Active	54	100	9.7	1.16		CleanTroll HD
Suction#3	Storage		100	12.5	1.5		Cement Spacer
Slug	Storage	90	100	12.5	1.5		Cement Spacer
T/T-1	Active	18	35	9.7	1.16		CleanTroll HD
T/T-2	Active	18	35	9.7	1.16		CleanTroll HD
Frac Tank-1	Active		450	10.3	1.23		CleanTroll HD
Frac Tank-2	Reserve	141	450	10.3	1.23		CleanTroll HD
Frac Tank-3	Reserve		450				

## VOLUME SUMMARY:

	+	-
Starting Volume:	807	
Current Tank Volume:	383	
Mud Volume In Hole(Incl Ri	144	
Other Volume In Hole:		
Riser Volume:		
Total Hole Volume:	180	
Total Built:	67	
Total Storage:	90	
Total Reserve:	141	
Total Disposed:		206
Whole Mud Backloaded:		
Whole Mud Received:		
<b>TOTAL MUD AT RIGSITE</b>	<b>668</b>	<b>bbls</b>

## VOLUME BREAKDOWN

### FLUID TYPE VOLUME BREAKDOWN 24hr Consumption

CEMENT SPACER	90	
CLEANROL HD	36	
CLEANROLL HD	488	

## Daily Inventory

**Report No:** 8

**Well:** Amungee NW 3H

**Report Date:** 30/09/2023

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	83		87	1	5			82
Barite BB 1.5MT	1500Kg	11		15		4			11
Barite BB 1.5MT - Darwin	1500Kg	53		53	8	8			45
CaCl2 - Prills - bb	1000Kg	190		190					190
Caustic Soda	25Kg Drum	40		42		2			40
Citric Acid	25Kg Sack	138		138					138
CleanTrol HD	22.7Kg	591		629	7	45			584
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	74		80	1	7			73
JK-161 LV	25Kg	77		85		8			77
KCL (L)	1000Kg Bulk Bag	24		31		7			24
Lime 25 Kg	25Kg	38		38					38
Magnesium Oxide	20Kg Sack	268		278	2	12			266
NDFT 325	208Ltr	7		7					7
NewPac LV 25 Kg	25Kg	153		180		27			153
NewSeal 25	25Kg	80		80					80
NewZan D	25Kg	288		323	3	38			285
Omyacarb 2 (bb)	1000Kg	51		51					51
Omyacarb 5 (bb)	1000Kg	2		2					2
Radiagreen EME	175Ltr	20		20					20
Salt 1000 Kg BB	1000Kg	4		4					4
SAPP	25Kg Sack	48		48					48
Sodium Bicarbonate	25Kg Sack	60		64		4			60
Sugar	25Kg Sack	37		37					37
TEA (230 KG)	230Kg	22		22					22
TrueScav HD	25Kg	56		63	1	8			55
Zinc Oxide 25 Kg	25Kg	21		21					21