


<div></div> <div>WATER BASED MUD</div> <div>Daily Operation Report</div>		Date	11/10/2023		Section name		8 1/2" Section																						
		Report	19		Report Depth	m	3170	MDBRT	2440	TVDBRT																			
		Rig Name / #	469		Prev Report Depth	m	2767	MDBRT	2447	TVDBRT																			
		Mud Ops start date	23/09/2023		Daily metres drilled	403	Report time	23:59 Hr																					
		Spud date	25/09/2023		Section metres drilled	2561	Avg ROP	16.8	m/hour																				
RT-Ground Level m				Report time activity																									
OPERATOR					Tamboran Resources					CONTRACTOR					H & P														
REPORT FOR					Maurice Verkerk					REPORT FOR					Joseph Stowell														
WELL NAME AND No.										FIELD					LOCATION					STATE									
Amungee NW 3H										EP 117					Beetaloo Basin					Northern Territory									
BHA		BIT TYPE		JET SIZE		DEPTHS/CASING				MUD VOLUME (BBL)				CIRCULATION DATA															
BIT SIZE (")		NOV TKC66		13 13 13 13 13		8.00 Riser Length m				HOLE VOL		MUD INHOLE		PUMP SIZE				CIRCULATION											
8.5				13 0 0 0 0						736		659		6 x 11 Inches				PRESS 4038 psi											
DRILL PIPE		TYPE		LENGTH		Conductor @				Active Pits		Reserve Pits		PUMP MODEL				SURFACE											
SIZE (")		DP		3.127 m		0 m				556		178		Gardner-Denver				TO BIT											
DRILL PIPE		TYPE		LENGTH		18.625 Surface @				TOTAL CIRCULATING VOL				BBL / STK				STK / MIN											
SIZE (")		HW		38 m		84 m				1215				0.0933				145											
DRILL COLLAR SIZE (")				LENGTH		13.375 Intermediate @				STORAGE TANKS				BBL / MIN				GAL / MIN											
6.5		6.5		5 0 m		280 m				0				13.53				568											
						9.625 Prod. or LNR @												EOD ppg/sg											
						605 m												13.01 1.56											
MUD PROPERTIES										MUD PROPERTY SPECIFICATIONS																			
SAMPLE FROM						FL		Pit		FL		FL		Mud Wt		Yld Pt		API Loss											
MUD TYPE						CL H		CL H		CL H		CL H		pH		MBT		Solids											
TIME SAMPLE TAKEN						3:00		9:00		16:30		21:25																	
DRILLING FLUID TEMPERATURE °C (In/Out)						67 75		68 76		70 77		69 77		Continue treatment of circulating system with concentrated CleanTrol HD premix(2 ppb) to assist in reducing API FL. Treat whole mud system with biocide. Treating active with caustic soda to increase pH. Ran centrifuge for 2 hrs but switched off due to mud aeration. Treated mud with 1 % Glycol for inhibition and help with fluid loss and mud aeration. Aeration evident in fluid, increase addition of Defoamer. Premix @ 10.2ppg being introduced to active to combat increasing MW.															
TOTAL MEASURED DEPTH (TMD) Metres						2852		2965		3042		3117																	
INCLINATION (Deg)						90		89		90		90																	
WEIGHT ppg / SG						11.7 1.40		11.7+ 1.41		11.8 1.41		11.8+ 1.42																	
FUNNEL VISCOSITY (sec / qt) API						54		54		58		57																	
RHEOLOGY 600 : 300 RPM 120 °F / 49 °C						67 47		73 53		72 55		77 58		Continue to drill ahead as per DD's instruction to 2845 mMD. Troubleshoot Directional Tools - Plugged Jet. Drilling resumed to 3170 mMD. Troubleshoot Directional Tools during day.															
RHEOLOGY 200 : 100 RPM 120 °F / 49 °C						40 30		43 33		49 40		51 41																	
RHEOLOGY 6 : 3 RPM 120 °F / 49 °C						17 16		20 19		27 26		27 26																	
PLASTIC VISCOSITY cP @ 120 °F / 49 °C						20		20		17		19																	
YIELD POINT (lb / 100 ft ²) 120 °F / 49 °C						27		33		38		39																	
GEL STRENGTH (lb / 100 ft ²) 10sec/10min/30min						22 31 37		23 32 36		30 33 38		27 32 40																	
LOW SHEAR RATE VISCOSITY (LSRV)						15		18		25		25																	
n K (lb / 100 ft ²)						0.51 1.94		0.46 2.98		0.39 4.88		0.41 4.54																	
API FILTRATE (cm ³ / 30 min.)						9.2		11.4		8.4																			
HPHT FILTRATE (cm ³ / 30 min.) °F / °C																													
API : HPHT (Cake / 32nd in.)						1		1		1		1																	
pH						8.5				8.5		8.5																	
ALKALINITY MUD (Pm)						0.05		0.12		0.10		0.10																	
ALKALINITY FILTRATE (Pf / Mf)						0.05 0.6		0.01 0.8		0.05 1.3		0.05 1.3																	
CHLORIDE (mg / L)						108000		108000		113000		105000																	
TOTAL HARDNESS AS CALCIUM (mg / L)																													
SULPHITE(mg / L) / CaCO3 (ppb)																													
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						1.5		1.7		2.8		2.8																	
OIL (% by Vol)						0.0		0.0		0.0		0.0																	
TOTAL WATER (% by Vol)						81.0		81.0		81.0		81.0																	
TOTAL SOLIDS (% by Vol)						19.0		19.0		19.0		19.0																	
SAND (% by Vol)						0.1		0.1		0.1		0.2																	
PRODUCT USAGE										SOLIDS CONTROL EQUIPMENT								Time Breakdown											
Product		UnitSize		Start		Received		Used		Close		Type		Hrs		OF		UF		Analysis Item		Hrs							
CleanTrol HD		22.7Kg		622		0		40		582		Centrifuge 1		NOV-Big Bowl		2		9.8		15.8		Drilling		24					
DEFOAM AP 400		25Ltr		39		0		12		27																			
AvaGlyco LC		208Ltr		66		0		6		60																			
CaCl2 - Prills - bb		1000Kg		142		0		4		138		Shale Shaker #1		4x200		24													
Caustic Soda		25Kg Drum		34		0		4		30		Shale Shaker #2		2x 200, 2 x 170		24													
Ildcide-G50		20Ltr		59		0		4		55		Shale Shaker #3		4x200		24													
Lime 25 Kg		25Kg		16		0		2		14																			
NewZan D		25Kg		250		0		2		248								Salt %		5.5		HGS %		6.9					
TrueScav HD		25Kg		23		0		2		21								Corrected Solids %		13.5		Drilled Solids%		6.6					
Ancor 1 (190 Lt)		190Ltr		24		0		1		23																			
Barite BB 1.5MT - Darwi		1500Kg		6		0		1		5																			
Salt 1000 Kg BB		1000Kg		4		10		0		14																			
										CURRENCY				DAILY COST				CUMULATIVE COSTS											
										AUD				\$23,721.50				\$308,455.10											
Newpark Engineer:										Nicholas Doust				Jason Cremor				Office: 0488013339				Telephone: 0894108202				Fax: 0894108200			



DAILY MUD VOLUME ACCOUNT

Date : 11/10/2023
Report No: 19

Well Name: Amungee NW 3H
Operator : Tamboran Resources

FLUID BUILT	DAILY	CUMULATIVE	FLUID LOSSES:	DAILY	CUMULATIVE
Premix drill water	237 bbl	12376 bbl	Losses Attributed To Shakers:	104 bbl	762 bbl
Chemical Volume added	30 bbl	378 bbl	Losses To Centrifuge:	17 bbl	139 bbl
Sump recycled water			Losses To Desander/Desilter:		232 bbl
Seawater			Losses To Cutting Dryer/Mud Cleaner:		
Other Received on Rig			Losses To Tripping:		
Other Built			Discharged:		70 bbl
TOTAL BUILT:	267 bbl	12754 bbl	Other Surface Losses:	72 bbl	72 bbl
			Surface Losses Subtotal:	193 bbl	1274 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:	193 bbl	11611 bbl
			Interval losses (bbl/m) :	2	34

TANK STORAGE VOLUMES

Tank Name	Tank Status	Current	Tank Volumes (bbls)			Comments
			Capacity	MW (ppg)	MW (sg)	
Sandtrap	Active	24	77	11.85	1.42	CleanDrill HD
Degasser	Active	19	77	11.85	1.42	CleanDrill HD
Desilter	Active	19	77	11.85	1.42	CleanDrill HD
Backflow	Active	19	77	11.85	1.42	CleanDrill HD
Tank#1	Active	81	100	11.85	1.42	CleanDrill HD
Tank#2	Active	76	100	11.85	1.42	CleanDrill HD
Tank#3	Active	83	100	11.85	1.42	CleanDrill HD
Suction#1	Active	73	100	11.85	1.42	CleanDrill HD
Suction#2	Active	78	100	11.85	1.42	CleanDrill HD
Suction#3	Reserve	45	100	11.2	1.34	Brine/CleanDrill HD Premix
Slug	Reserve	75	100	10.2	1.22	CleanDrill HD Premix Low Weight
F/L	Active	30	10	11.85	1.42	CleanDrill HD
T/T-1	Active	27	35	11.85	1.42	CleanDrill HD
T/T-2	Active	27	35	11.85	1.42	CleanDrill HD
Frac Tank-1	Reserve	58	450	10.6	1.27	CaCl2 Brine
Frac Tank-2	Reserve		450			
Frac Tank-3	Reserve		450			

VOLUME SUMMARY:

	+	-
Starting Volume:	1319	
Current Tank Volume:	556	
Mud Volume In Hole(Incl Ri	659	
Other Volume In Hole:		
Riser Volume:		
Total Hole Volume:	736	
Total Built:	267	
Total Storage:		
Total Reserve:	178	
Total Disposed:		193
Whole Mud Backloaded:		
Whole Mud Received:		
TOTAL MUD AT RIGSITE	1393	bbls

VOLUME BREAKDOWN

FLUID TYPE VOLUME BREAKDOWN 24hr Comsumption

BRINE/CLEANDRILL HD	45	
CACL2 BRINE	58	
CLEANDRILL HD	556	
CLEANDRILL HD PREMI	75	

Daily Inventory

Report No: 19

Report Date: 11/10/2023

Well: Amungee NW 3H

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	1	1			23
AvaGlyco LC	208Ltr	66		87	6	27			60
Barite BB 1.5MT	1500Kg	60		65		4		1	60
Barite BB 1.5MT - Darwin	1500Kg	6		53	1	48			5
CaCl2 - Prills - bb	1000Kg	142		195	4	57			138
Caustic Soda	25Kg Drum	34		42	4	12			30
Citric Acid	25Kg Sack	136		138		2			136
CleanTrol HD	22.7Kg	622		829	40	247			582
DEFOAM AP 400	25Ltr	39		50	12	23			27
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	59		80	4	25			55
JK-161 LV	25Kg	84		85		1			84
KCL (L)	1000Kg Bulk Bag	25		31		6			25
Lime 25 Kg	25Kg	16		38	2	24			14
Magnesium Oxide	20Kg Sack	332		374		42			332
NDFT 325	208Ltr			7		7			
NewPac LV 25 Kg	25Kg	155		180		25			155
NewSeal 25	25Kg	119		119					119
NewZan D	25Kg	250		323	2	75			248
Omyacarb 2 (bb)	1000Kg	69		75		6			69
Omyacarb 5 (bb)	1000Kg	18		18					18
Radiagreen EME	175Ltr	20		40		12		8	20
Salt 1000 Kg BB	1000Kg	4	10	14					14
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	23		63	2	42			21
Zinc Oxide 25 Kg	25Kg	21		21					21