


<div></div> <div>WATER BASED MUD</div> <div>Daily Operation Report</div>		Date	12/10/2023	Section name		8 1/2" Section																							
		Report	20	Report Depth	m	3701	MDBRT	2430	TVDBRT																				
		Rig Name / #	469	Prev Report Depth	m	3170	MDBRT	2440	TVDBRT																				
		Mud Ops start date	23/09/2023	Daily metres drilled	531	Report time	23:59 Hr																						
		Spud date	25/09/2023	Section metres drilled	3092	Avg ROP	22.1	m/hour																					
RT-Ground Level m				Report time activity		Drilling																							
OPERATOR				Tamboran Resources		CONTRACTOR		H & P																					
REPORT FOR				Maurice Verkerk		REPORT FOR		Joseph Stowell																					
WELL NAME AND No.				Amungee NW 3H		FIELD		LOCATION																					
						EP 117		Beetaloo Basin																					
								STATE																					
								Northern Territory																					
BHA		BIT TYPE		JET SIZE		DEPTHS/CASING		MUD VOLUME (BBL)		CIRCULATION DATA																			
BIT SIZE (")		NOV TKC66		13 13 13 13 13		22.00 Riser Length		HOLE VOL		PUMP SIZE																			
8.5				13 0 0 0 0		m		859		6 x 11 Inches																			
DRILL PIPE		TYPE		LENGTH		Conductor @		Active Pits		PUMP MODEL																			
SIZE (")		DP		3.658 m		0 m		466		Gardner-Denver																			
DRILL PIPE		TYPE		LENGTH		18.625 Surface @		Reserve Pits		% EFFICIENCY																			
SIZE (")		HW		38 m		84 m		173		97																			
DRILL COLLAR SIZE (")				13.375 Intermediate @		280 m		TOTAL CIRCULATING VOL		SURFACE TO BIT																			
6.5		6.5		9.625 Prod. or LNR @		605 m		1235		20 min																			
				5		0 m		STORAGE TANKS		BOTTOMS UP																			
								0		31 min																			
								BBL / STK		TOT CIRC TIME																			
								0.0933		92 min																			
								BBL / MIN		ECD ppg/sg																			
								13.44		12.98																			
								GAL / MIN		1.56																			
								564																					
MUD PROPERTIES										MUD PROPERTY SPECIFICATIONS																			
SAMPLE FROM				FL		Pit		FL		FL																			
MUD TYPE				CL H		CL H		CL H		CL H																			
TIME SAMPLE TAKEN				3:00				15:30		21:00																			
DRILLING FLUID TEMPERATURE °C (In/Out)				70 78		71 80		72 80		75 81																			
TOTAL MEASURED DEPTH (TMD) Metres				3232		3413		3556		3650																			
INCLINATION (Deg)				91.07		90		90		91.01																			
WEIGHT ppg / SG				11.8 1.41		11.7+ 1.41		11.9 1.43		11.8 1.41																			
FUNNEL VISCOSITY (sec / qt) API				54				64		62																			
RHEOLOGY 600 : 300 RPM 120 °F / 49 °C				73 54		91 68		80 63		75 57																			
RHEOLOGY 200 : 100 RPM 120 °F / 49 °C				46 38		59 49		58 50		51 43																			
RHEOLOGY 6 : 3 RPM 120 °F / 49 °C				25 24		35 35		36 36		31 31																			
PLASTIC VISCOSITY cP @ 120 °F / 49 °C				19		23		17		18																			
YIELD POINT (lb / 100 ft ²) 120 °F / 49 °C				35		45		46		39																			
GEL STRENGTH (lb / 100 ft ²) 10sec/10min/30min				26 29 29		39 42 43		36 36 37		30 30 36																			
LOW SHEAR RATE VISCOSITY (LSRV)				23		35		36		31																			
n K (lb / 100 ft ²)				0.43 3.59		0.42 4.95		0.34 7.35		0.40 4.83																			
API FILTRATE (cm ³ / 30 min.)				10.1		10.2		15.4		13.1																			
HPHT FILTRATE (cm ³ / 30 min.) °F / °C																													
API : HPHT (Cake / 32nd in.)				1		1		2		2																			
pH				8.5		9.0		8.5		8.5																			
ALKALINITY MUD (Pm)				0.10		0.14		0.15		0.10																			
ALKALINITY FILTRATE (Pf / Mf)				0.05 1.1		0.05 1.8		0.05 1.3		0.05 1.3																			
CHLORIDE (mg / L)				105000		112000		112500		100000																			
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																			
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				2.7		3.0		3.0		3.0																			
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)				0.15		0.1		0.1		0.1																			
MUD COMMENTS										Continue to bleed in premix to reduce API filtrate and reduce rheology. Treated active with 0.5 ppb Cleantrrol HD to reduce API filtrate,																			
										Treated mud with caustic soda to increase pH and lime for any carbonates.																			
										Good steady flow of cuttings on shakers. Noticeable increase in cuttings load when increase pipe rpm from 80 to 120.																			
										Premix fluid being built with lower CaCl2 concentration. Incorporating MagOx as pH buffer in Premix fluid. Fluid showing signs of HT degradation.																			
OPERATIONAL COMMENTS																													
										Drilling 8 1/2" hole continued to 3560 mMD. Repair to standpipe gasket. P/U & rack back stand.																			
										Resumed drilling as per Direction Drillers instruction to 3701 mMD.																			
Water Source				Water Bore																									
MUD ACCOUNTING (BBLs)										SUMMARY																			
FLUID BUILT				FLUID LOSSES				Start Vol		1393																			
Drill Water		228		S.C.E.		156		Received		0																			
Chemical		17		Discharge		0		Backload		0																			
Sump/SeaW		0		Downhole		2		Built		245																			
Other Rec'd		0		Tripping		0		Lost sub		2																			
Other Built		0		Other		72		Lost srf		228																			
TOTAL MUD ON RIG (bbbls) : 1408																													
PRODUCT USAGE						SOLIDS CONTROL EQUIPMENT						Time Breakdown																	
Product		UnitSize		Start		Received		Used		Close		Type		Hrs		OF		UF		Analysis Item		Hrs							
CleanTrol HD		22.7Kg		582		0		16		566		Centrifuge 1		NOV-Big Bowl		7		9.9		15.8		Drilling		24					
DEFOAM AP 400		25Ltr		27		0		4		23																			
CaCl2 - Prills - bb		1000Kg		138		0		3		135																			
AvaGlyco LC		208Ltr		60		0		2		58																			
Caustic Soda		25Kg Drum		30		0		2		28		Shale Shaker #1		4x200		24													
Ildcide-G50		20Ltr		55		0		2		53		Shale Shaker #2		2x 200, 2 x 170		24													
Lime 25 Kg		25Kg		14		0		2		12		Shale Shaker #3		4x200		24													
Magnesium Oxide		20Kg Sack		332		0		2		330								Salt %		5.2		HGS %		6.3					
TrueScav HD		25Kg		21		0		2		19								LGS %		7.5		TSS %		0					
Barite BB 1.5MT - Darwi		1500Kg		5		0		1		4								Corrected Solids %		13.8		Drilled Solids%		7.5					
NewZan D		25Kg		248		0		1		247												Conduct. (uS/cm)							
																						DO mg/l		0					
CURRENCY						DAILY COST						CUMULATIVE COSTS																	
AUD						\$11,285.00						\$319,740.10																	
Newpark Engineer: Nicholas Doust						Jason Cremor						Office: 0488013339						Telephone: 0894108202						Fax: 0894108200					



DAILY MUD VOLUME ACCOUNT

Date : 12/10/2023
Report No: 20

Well Name: Amungee NW 3H
Operator : Tamboran Resources

FLUID BUILT	DAILY	CUMULATIVE	FLUID LOSSES:	DAILY	CUMULATIVE
Premix drill water	228 bbl	12604 bbl	Losses Attributed To Shakers:	108 bbl	870 bbl
Chemical Volume added	17 bbl	395 bbl	Losses To Centrifuge:	48 bbl	187 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:	245 bbl	12999 bbl	Other Surface Losses:	72 bbl	144 bbl
			Surface Losses Subtotal:	228 bbl	1502 bbl
WHOLE MUD TRANSFERS ON/OFF	DAILY	CUMULATIVE	Seepage Losses: 0.1 BBL/HR For 20 hr	2.0 bbl	2.0 bbl
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:	2 bbl	10339 bbl
			TOTAL DISPOSED:	230 bbl	11841 bbl
			Interval losses (bbl/m) :	2	32

TANK STORAGE VOLUMES

Tank Volumes (bbls)						
Tank Name	Tank Status	Current	Capacity	MW (ppg)	MW (sg)	Comments
Sandtrap	Active	24	77	11.85	1.42	CleanDrill HD
Degasser	Active	19	77	11.85	1.42	CleanDrill HD
Desilter	Active	24	77	11.85	1.42	CleanDrill HD
Backflow	Active	19	77	11.85	1.42	CleanDrill HD
Tank#1	Active	72	100	11.85	1.42	CleanDrill HD
Tank#2	Active	72	100	11.85	1.42	CleanDrill HD
Tank#3	Active	73	100	11.85	1.42	CleanDrill HD
Suction#1	Active	63	100	11.85	1.42	CleanDrill HD
Suction#2	Active	62	100	11.85	1.42	CleanDrill HD
Suction#3	Reserve	12	100	11.2	1.34	Brine/CleanDrill HD Premix
Slug	Reserve	49	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	4	35	11.85	1.42	CleanDrill HD
T/T-2	Active	4	35	11.85	1.42	CleanDrill HD
Frac Tank-1	Reserve	0	450	0		M/T
Frac Tank-2	Reserve	112	450	11.85	1.42	Old CleanDrill HD
Frac Tank-3	Reserve		450			

VOLUME SUMMARY:

	+	-
Starting Volume:	1393	
Current Tank Volume:	466	
Mud Volume In Hole(Incl Riser)	769	
Other Volume In Hole:		
Riser Volume:		
Total Hole Volume:	859	
Total Built:	245	
Total Storage:		
Total Reserve:	173	
Total Disposed:		230
Whole Mud Backloaded:		
Whole Mud Received:		
TOTAL MUD AT RIGSITE	1408 bbls	

VOLUME BREAKDOWN

FLUID TYPE VOLUME BREAKDOWN 24hr Consumption

BRINE/CLEANDRILL HD	12	
CLEANDRILL HD	466	
CLEANDRILL HD PREMI	49	
M/T	0	
OLD CLEANDRILL HD	112	

Daily Inventory

Report No: 20

Report Date: 12/10/2023

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	23		24		1			23
AvaGlyco LC	208Ltr	60		87	2	29			58
Barite BB 1.5MT	1500Kg	60		65		4		1	60
Barite BB 1.5MT - Darwin	1500Kg	5		53	1	49			4
CaCl2 - Prills - bb	1000Kg	138		195	3	60			135
Caustic Soda	25Kg Drum	30		42	2	14			28
Citric Acid	25Kg Sack	136		138		2			136
CleanTrol HD	22.7Kg	582		829	16	263			566
DEFOAM AP 400	25Ltr	27		50	4	27			23
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	55		80	2	27			53
JK-161 LV	25Kg	84		85		1			84
KCL (L)	1000Kg Bulk Bag	25		31		6			25
Lime 25 Kg	25Kg	14		38	2	26			12
Magnesium Oxide	20Kg Sack	332		374	2	44			330
NDFT 325	208Ltr			7		7			
NewPac LV 25 Kg	25Kg	155		180		25			155
NewSeal 25	25Kg	119		119					119
NewZan D	25Kg	248		323	1	76			247
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	14		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	21		63	2	44			19
Zinc Oxide 25 Kg	25Kg	21		21					21