



WATER BASED MUD Daily Operation Report

Date	29/09/2023	Section name	12 1/4" Section					
Report	7	Report Depth	m	373	MDBRT	383		TVDBRT
Rig Name / #	469	Prev Report Depth	m	283	MDBRT	283		TVDBRT
Mud Ops start date		Daily metres drilled	90	Report time	23:59			Hr
Spud date		Section metres drilled	90	Avg ROP	18.0	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	STATE
		EP 117	Beetaloo Basin	Northern Territory

BHA	BIT TYPE	JET SIZE	DEPTHS/CASING	MUD VOLUME (BBL)	CIRCULATION DATA			
BIT SIZE (") 12.25	PDC SMITH	12 12 12 12 12 12 10 10 10 0	8.00 Riser Length m	HOLE VOL 182	MUD INHOLE 139	PUMP SIZE 6 x 11 Inches	CIRCULATION PRESS 1600	psi
DRILL PIPE SIZE (") 5.5	TYPE DP	LENGTH 85 m	Conductor @ 0 m	Active Pits 312	Reserve Pits 356	PUMP MODEL Gardner-Denver	% EFFICIENCY 97	SURFACE TO BIT 1 min
DRILL PIPE SIZE (") 5.5	TYPE HW	LENGTH 86 m	18.625 Surface @ 84 m	TOTAL CIRCULATING VOL 451		BBL / STK 0.0933	STK / MIN 180	BOTTOMS UP 5 min
DRILL COLLAR SIZE (") 9	7.75	LENGTH 27 174 m	13.375 Intermediate @ 280 m	STORAGE TANKS 0		BBL / MIN 16.8	GAL / MIN 706	TOT CIRC TIME 27 min
Prod. or LNR @ 0 m						ECD ppg/sg	9.91	1.19

MUD PROPERTIES										MUD PROPERTY SPECIFICATIONS																																																	
SAMPLE FROM				Pit		Pit		Pit				Mud Wt 9.6-9.8		Yld Pt >14		API Loss <=12																																											
MUD TYPE				CL H		CL H		CL H				pH 8.5-9.5		MBT <10		Solids :=3%																																											
TIME SAMPLE TAKEN				3:00		13:00		23:00																																																			
DRILLING FLUID TEMPERATURE °C (In/Out)				34				40 42				<div>MUD COMMENTS</div> <div>Received MO42/43 (Omyacarb 2 and Cleanrol)</div> <div>Mixed 400 bbls Cleandril HD using 65/35 mix of salvaged Cleandril HD and water to reduce weight to 9.6-9.7 ppg. Plan to increase rheology once mud is circulated.</div> <div>Note: Starting volume for 12.25" section = 720 bbls CleanTrol HD mud</div>																																															
TOTAL MEASURED DEPTH (TMD) Metres				0		283		353																																																			
INCLINATION (Deg)								5.12																																																			
WEIGHT ppg / SG				9.8 1.17		9.7 1.16		9.8 1.17																																																			
FUNNEL VISCOSITY (sec / qt) API				38		39		50																																																			
RHEOLOGY 600 : 300 RPM 120 °F / 49 °C				32 22		29 20		52 40																																																			
RHEOLOGY 200 : 100 RPM 120 °F / 49 °C				17 12		16 12		32 26																																																			
RHEOLOGY 6 : 3 RPM 120 °F / 49 °C				4 2		4 4		12 10																																																			
PLASTIC VISCOSITY cP @ 120 °F / 49 °C				10		9		12																																																			
YIELD POINT (lb / 100 ft²) 120 °F / 49 °C				12		11		28																																																			
GEL STRENGTH (lb / 100 ft²) 10sec/10min/30min				4 7		4 7 9		12 22 36																																																			
LOW SHEAR RATE VISCOSITY (LSRV)				0		4		8				<div>OPERATIONAL COMMENTS</div> <div>P/U and M/U 12 1/4" BHA and MWD tools. RIH and test MWD tool. Displace water with mud. Conduct Choke drill.Take FC at 258 mDrill out FC annd shoe and 3 m new formation to 286 m. Circulate bottoms up and perform FIT with EMW = 12.9 ppg. Slide and rotate as required to drill 12 1/4" hole from 286 to 373 m at midnight report.</div>																																															
n K (lb / 100 ft²)				0.54 0.76		0.54 0.71		0.38 3.78																																																			
API FILTRATE (cm³ / 30 min.)				13.6		13.2		12.4																																																			
HPHT FILTRATE (cm³ / 30 min.) °F / °C																																																											
API : HPHT (Cake / 32nd in.)				1		1		1																																																			
pH				10.5		10.5		9.5																																																			
ALKALINITY MUD (Pm)				1.10		1.15		0.90																																																			
ALKALINITY FILTRATE (Pf / Mf)				0.60 1.2		0.65 1.2		0.32 0.6																																																			
CHLORIDE (mg / L)				67000		69000		68000																																																			
TOTAL HARDNESS AS CALCIUM (mg / L)																																																											
SULPHITE(mg / L) / CaCO3 (ppb)						15.0				10.0																																																	
KCL / K2CO3/ K2SO4																																																											
K + (mg / L)				0		0		0				Water Source Water Bor																																															
PHPA (ppb)												<div>MUD ACCOUNTING (BBLs)</div> <div>SUMMARY</div> <table><tr><td colspan="2">FLUID BUILT</td><td colspan="2">FLUID LOSSES</td><td>Start Vol</td><td>720</td></tr><tr><td>Drill Water</td><td>190</td><td>S.C.E.</td><td>115</td><td>Received</td><td>0</td></tr><tr><td>Chemical</td><td>12</td><td>Discharge</td><td>0</td><td>Backload</td><td>0</td></tr><tr><td>Sump/SeaW</td><td>0</td><td>Downhole</td><td>0</td><td>Built</td><td>202</td></tr><tr><td>Other Rec'd</td><td>0</td><td>Tripping</td><td>0</td><td>Lost sub</td><td>0</td></tr><tr><td>Other Built</td><td>0</td><td>Other</td><td>0</td><td>Lost srf</td><td>115</td></tr><tr><td colspan="6">TOTAL MUD ON RIG (bbls) : 807</td></tr></table>						FLUID BUILT		FLUID LOSSES		Start Vol	720	Drill Water	190	S.C.E.	115	Received	0	Chemical	12	Discharge	0	Backload	0	Sump/SeaW	0	Downhole	0	Built	202	Other Rec'd	0	Tripping	0	Lost sub	0	Other Built	0	Other	0	Lost srf	115	TOTAL MUD ON RIG (bbls) : 807					
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METHYLENE BLUE CAPACITY (ppb / % by vol)				2.5	0.3	2.5	0.3	7.5	0.8																																																		
BENTONITE ADDED (ppb / % by vol)					0.0		0.0		0.0																																																		
OTHER PRODUCTS ADDED (ppb / % by vol)																																																											
OTHER LIQ PRODUCTS ADDED (ppb / % by vol)																																																											
Glycol % v/v				2.0				1.5																																																			
OIL (% by Vol)				0.0		0.0		0.0																																																			
TOTAL WATER (% by Vol)				91.0		90.0		91.0																																																			
TOTAL SOLIDS (% by Vol)				9.0		10.0		9.0																																																			
SAND (% by Vol)						0		0.1																																																			

PRODUCT USAGE						SOLIDS CONTROL EQUIPMENT						Time Breakdown		
Product	UnitSize	Start	Received	Used	Close	Type		Hrs	OF	UF	Analysis Item	Hrs		
CleanTrol HD	22.7Kg	309	320	38	591						M/U BHA	6		
NewZan D	25Kg	301	0	13	288						Drilling	5		
Magnesium Oxide	20Kg Sack	278	0	10	268						Miscellaneous	13		
Idcide-G50	20Ltr	79	0	5	74									
TrueScav HD	25Kg	61	0	5	56	Shale Shaker #1	2x80,2x100	8						
AvaGlyco LC	208Ltr	87	0	4	83	Shale Shaker #2	2x80,2x100	8						
Omyacarb 2 (bb)	1000Kg	19	32	0	51	Shale Shaker #3	2x80,2x100	8	SOLIDS ANALYSIS					
									Salt %	3.9	HGS %	1.7	Turbidity (NTU)	0
											LGS %	3.4	TSS %	0
									Corrected Solids %	5.1	Drilled Solids%	2.3		
													Conduct. (uS/cm)	
													DO mg/l	0
						CURRENCY		DAILY COST			CUMULATIVE COSTS			
						AUD		\$16,192.50			\$43,976.00			

DAILY MUD VOLUME ACCOUNT

Date : 29/09/2023
Report No: 7

Well Name: Amungee NW 3H
Operator : Tamboran Resources

FLUID BUILT		DAILY	CUMULATIVE	FLUID LOSSES:		DAILY	CUMULATIVE
Premix drill water		190 bbl	11050 bbl	Losses Attributed To Shakers:		68 bbl	150 bbl
Chemical Volume added		12 bbl	41 bbl	Losses To Centrifuge:			
Sump recycled water				Losses To Desander/Desilter:		47 bbl	47 bbl
Seawater				Losses To Cutting Dryer/Mud Cleaner:			
Other Received on Rig				Losses To Tripping:			
Other Built				Discharged:			
TOTAL BUILT:		202 bbl	11091 bbl	Other Surface Losses:			
				Surface Losses Subtotal:		115 bbl	197 bbl
WHOLE MUD TRANSFERS ON/OFF		DAILY	CUMULATIVE				
DAILY BACKLOADED:		0		Seepage Losses:	<input type="text"/> BBL/HR For <input type="text"/> hr		
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:		115 bbl	10534 bbl
				Interval losses (bbl/m) :		17	116

TANK STORAGE VOLUMES

		Tank Volumes (bbls)					Comments
Tank Name	Tank Status	Current	Capacity	MW	(ppg)	MW(sg)	
Sandtrap	Active	23	77	9.8	1.17		ClenTroll HD
Degasser	Active	15	77	9.8	1.17		ClenTroll HD
Desilter	Active	15	77	9.8	1.17		ClenTroll HD
Backflow	Active	17	77	9.8	1.17		ClenTroll HD
Tank#1	Active	50	100	9.8	1.17		ClenTroll HD
Tank#2	Active	50	100	9.8	1.17		ClenTroll HD
Tank#3	Active	50	100	9.8	1.17		ClenTroll HD
Suction#1	Active	47	100	9.8	1.17		ClenTroll HD
Suction#2	Active	45	100	9.8	1.17		ClenTroll HD
Suction#3	Reserve	78	100	9.8	1.17		ClenTroll HD
Slug	Reserve	56	100	9.8	1.17		ClenTroll HD
Frac Tank-1	Reserve	0	450	10.3	1.23		ClenTroll HD
Frac Tank-2	Reserve	222	450	10.3	1.23		ClenTroll HD
Frac Tank-3	Reserve		450				

VOLUME SUMMARY:

	+	-
Starting Volume:	720	
Current Tank Volume:	312	
Mud Volume In Hole(Incl Ri	139	
Other Volume In Hole:		
Riser Volume:		
Total Hole Volume:	182	
Total Built:	202	
Total Storage:		
Total Reserve:	356	
Total Disposed:		115
Whole Mud Backloaded:		
Whole Mud Received:		
TOTAL MUD AT RIGSITE	807 bbls	

VOLUME BREAKDOWN

FLUID TYPE VOLUME BREAKDOWN 24hr Consumption

CLENTROLL HD	668	

Daily Inventory

Report No: 7

Well: Amungee NW 3H

Report Date: 29/09/2023

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	87		87	4	4			83
Barite BB 1.5MT	1500Kg	11		15		4			11
Barite BB 1.5MT - Darwin	1500Kg	53		53					53
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	309	320	629	38	38			591
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	79		80	5	6			74
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	278		278	10	10			268
NDFT 325	208Ltr	7		7					7
NewPac LV 25 Kg	25Kg	153		180		27			153
NewSeal 25	25Kg	80		80					80
NewZan D	25Kg	301		323	13	35			288
Omyacarb 2 (bb)	1000Kg	19	32	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	61		63	5	7			56
Zinc Oxide 25 Kg	25Kg	21		21					21