



WATER BASED MUD Daily Operation Report

Date	8/10/2023	Section name	8 1/2" Section					
Report	16	Report Depth	m	2441	MDBRT	2365		TVDBRT
Rig Name / #	469	Prev Report Depth	m	2220	MDBRT	2170		TVDBRT
Mud Ops start date		Daily metres drilled	221	Report time	23:59			Hr
Spud date		Section metres drilled	1832	Avg ROP	9.2	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 (") 8.5	PDC Bit - Ulterra	10 10 10 10 10	22.00 Riser Length m	HOLE VOL 568	MUD INHOLE 472	PUMP SIZE 6 x 11 Inches	CIRCULATION PRESS 3300 psi	
DRILL PIPE SIZE (") 5.5	TYPE DP	LENGTH 1,837 m	Conductor @ 0 m	Active Pits 478	Reserve Pits 336	PUMP MODEL Gardner-Denver	% EFFICIENCY 97	SURFACE TO BIT 11 min
DRILL PIPE SIZE (") 5.5	TYPE HW	LENGTH 279 m	18.625 Surface @ 84 m	TOTAL CIRCULATING VOL 950		BBL / STK 0.0933	STK / MIN 150	BOTTOMS UP 16 min
DRILL COLLAR SIZE (") 6.65	6.5	LENGTH 313	12 m	13.375 Intermediate @ 280 m	9.625 Prod. or LNR @ 605 m	STORAGE TANKS 0		TOT CIRC TIME 68 min
						BBL / MIN 14	GAL / MIN 588	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				15:30		11:30		MUD COMMENTS					
DRILLING FLUID TEMPERATURE °C (In/Out)	59	65	60	64	62	65	63	70	Add 2 ppb of CleanTrol HD to reduce API FL. Continue with addition of calcium chloride brine to the active to lower rheology. Treated active with 0.4 ppb Desco CF to help reduce gel strengths (minimal improvement at this concentration). Dilute active system with 80 bbls of 11.7 ppg mainly consist of Brine and 3 bulk bags of Omnyacarb 2. Mud check #4 is the result. Will do the same dilution by maintaining mud weight 11.6 ppg to reduce rheology. Added 2 sacks of lime to active. Built 180 bbls of 10.6 ppg calcium chloride brine.					
TOTAL MEASURED DEPTH (TMD) Metres	2265		2319		2380		2438							
INCLINATION (Deg)	22.83		21		23		52.93							
WEIGHT ppg / SG	11.6	1.39	11.4+	1.37	11.5	1.38	11.6	1.39						
FUNNEL VISCOSITY (sec / qt) API	56		59		54		54							
RHEOLOGY 600 : 300 RPM 120 °F / 49 °C	72	52	71	52	67	48	55	38						
RHEOLOGY 200 : 100 RPM 120 °F / 49 °C	42	32	43	35	40	30	30	23						
RHEOLOGY 6 : 3 RPM 120 °F / 49 °C	18	17	20	19	17	16	12	11						
PLASTIC VISCOSITY cP @ 120 °F / 49 °C	20		19		19		17							
YIELD POINT (lb / 100 ft²) 120 °F / 49 °C	32		33		29		21							
GEL STRENGTH (lb / 100 ft²) 10sec/10min/30min	20	32	50	25	55	72	19	42	48	18	34	39		
LOW SHEAR RATE VISCOSITY (LSRV)	16		18		15		10		OPERATIONAL COMMENTS					
n K (lb / 100 ft²)	0.47	2.79	0.45	3.16	0.48	2.39	0.53	1.37	Rotate and slide 8.5" directional hole to build angle from 2220 to 2441 m at report time, 24:00 hrs. BHCT = 92 deg Celcius.					
API FILTRATE (cm³ / 30 min.)	8.6		6.4		6.2		7.2							
HPHT FILTRATE (cm³ / 30 min.) °F / °C														
API : HPHT (Cake / 32nd in.)	1.0		1		1		1							
pH	9.5		9.0		9.0		8.5							
ALKALINITY MUD (Pm)	1.20		0.21		0.18		0.04							
ALKALINITY FILTRATE (Pf / Mf)	0.58	1.4	0.05	1.3	0.05	1.2	0.02	0.4						
CHLORIDE (mg / L)	110000		106000		107000		120000							
TOTAL HARDNESS AS CALCIUM (mg / L)														
SULPHITE(mg / L) / CaCO3 (ppb)		5.0						7.5						
KCL / K2CO3/ K2SO4									Water Source Water Bore					
K + (mg / L)	0		0		0		0							
PHPA (ppb)									MUD ACCOUNTING (BBLs)			SUMMARY		
METHYLENE BLUE CAPACITY (ppb / % by vol)	9.0	1.0	7.5	0.8	7.5	0.8	7.5	0.8	FLUID BUILT		FLUID LOSSES		Start Vol	1194
BENTONITE ADDED (ppb / % by vol)		0.0		0.0		0.0		0.0	Drill Water	170	S.C.E.	73	Received	0
OTHER PRODUCTS ADDED (ppb / % by vol)									Chemical	65	Discharge	70	Backload	0
OTHER LIQ PRODUCTS ADDED (ppb / % by vol)									Sump/SeaW	0	Downhole	0	Built	235
Glycol % v/v			1.7		1.3		1.1		Other Rec'd	0	Tripping	0	Lost sub	0
OIL (% by Vol)	0.0		0.0		0.0		0.0		Other Built	0	Other	0	Lost srf	143
TOTAL WATER (% by Vol)	83.5		83.0		82.5		83.0		TOTAL MUD ON RIG (bbls) : 1286					
TOTAL SOLIDS (% by Vol)	16.5		17.0		17.5		17.0							
SAND (% by Vol)	0.1				0.1		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	690	0	40	650	Centrifuge 1	NOV-Big Bowl				Drilling	24	
CaCl2 - Prills - bb	1000Kg	160	0	18	142								
Desco CF	25lb	16	0	16	0								
Omyacarb 2 (bb)	1000Kg	68	0	3	65								
Sodium Bicarbonate	25Kg Sack	48	0	3	45	Shale Shaker #1	4x170						
Lime 25 Kg	25Kg	28	0	2	26	Shale Shaker #2	4x170						
NewZan D	25Kg	251	0	1	250	Shale Shaker #3	4x170		SOLIDS ANALYSIS				
								Salt %	6.5	HGS %	6.7	Turbidity (NTU)	0
										LGS %	3.8	TSS %	0
								Corrected Solids %	10.5	Drilled Solids%	3.0		
												Conduct. (uS/cm)	
												DO mg/l	0
						CURRENCY		DAILY COST		CUMULATIVE COSTS			
						AUD		\$33,714.50		\$257,285.10			



DAILY MUD VOLUME ACCOUNT

Date : 8/10/2023
Report No: 16

Well Name: Amungee NW 3H
Operator : Tamboran Resources

FLUID BUILT		DAILY	CUMULATIVE	FLUID LOSSES:		DAILY	CUMULATIVE
Premix drill water		170 bbl	12022 bbl	Losses Attributed To Shakers:		73 bbl	595 bbl
Chemical Volume added		65 bbl	287 bbl	Losses To Centrifuge:			92 bbl
Sump recycled water				Losses To Desander/Desilter:			179 bbl
Seawater				Losses To Cutting Dryer/Mud Cleaner:			
Other Received on Rig				Losses To Tripping:			
Other Built				Discharged:	70 bbl	70 bbl	
TOTAL BUILT:		235 bbl	12309 bbl	Other Surface Losses:			
				Surface Losses Subtotal:	143 bbl	936 bbl	
WHOLE MUD TRANSFERS ON/OFF		DAILY	CUMULATIVE				
DAILY BACKLOADED:		0		Seepage Losses:			
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:	143 bbl	11273 bbl	
				Interval losses (bbl/m) :	2	33	

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	73	100	11.6	1.39	CleanTroll HD
Tank#2	Active	73	100	11.6	1.39	CleanTroll HD
Tank#3	Active	74	100	11.6	1.39	CleanTroll HD
Suction#1	Active	67	100	11.6	1.39	CleanTroll HD
Suction#2	Active	64	100	11.6	1.39	CleanTroll HD
Suction#3	Reserve	60	100	11.6	1.39	CleanTroll HD
Slug	Reserve	36	100	10.9	1.31	Brine CaCO3
F/L	Active	30	10	11.6	1.39	CleanTroll HD
T/T-1	Active	8	35	11.6	1.39	CleanTroll HD
T/T-2	Active	8	35	11.6	1.39	CleanTroll HD
Frac Tank-1	Reserve	240	450	10.6	1.27	CaCl2 Brine
Frac Tank-2	Reserve	0	450			
Frac Tank-3	Reserve		450			

VOLUME SUMMARY:		+	-
Starting Volume:		1194	
Current Tank Volume:		478	
Mud Volume In Hole(Incl Ri		472	
Other Volume In Hole:			
Riser Volume:			
Total Hole Volume:		568	
Total Built:		235	
Total Storage:			
Total Reserve:		336	
Total Disposed:			143
Whole Mud Backloaded:			
Whole Mud Received:			
TOTAL MUD AT RIGSITE		1286	bbls
VOLUME BREAKDOWN			
FLUID TYPE VOLUME BREAKDOWN 24hr Consumption			
	0		
BRINE CACO3	36		
CACL2 BRINE	240		
CLEANTROLL HD	106		
CLEANTROLL HD	432		

Daily Inventory

Report No: 16

Well: Amungee NW 3H

Report Date: 8/10/2023

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		16			71
Barite BB 1.5MT	1500Kg	60		65		4		1	60
Barite BB 1.5MT - Darwin	1500Kg	13		53		40			13
CaCl2 - Prills - bb	1000Kg	160		195	18	53			142
Caustic Soda	25Kg Drum	39		42		3			39
Citric Acid	25Kg Sack	136		138		2			136
CleanTrol HD	22.7Kg	690		829	40	179			650
DEFOAM AP 400	25Ltr	44		50		6			44
Desco CF	25lb	16		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	65		80		15			65
JK-161 LV	25Kg	77		85		8			77
KCL (L)	1000Kg Bulk Bag	24		31		7			24
Lime 25 Kg	25Kg	28		38	2	12			26
Magnesium Oxide	20Kg Sack	344		374		30			344
NDFT 325	208Ltr	2		7		5			2
NewPac LV 25 Kg	25Kg	153		180		27			153
NewSeal 25	25Kg	119		119					119
NewZan D	25Kg	251		323	1	73			250
Omyacarb 2 (bb)	1000Kg	68		75	3	10			65
Omyacarb 5 (bb)	1000Kg	18		18					18
Radiagreen EME	175Ltr			20		12		8	
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	48		64	3	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