



WATER BASED MUD Daily Operation Report

Date	5/10/2023	Section name	8 1/2" Section				
Report	13	Report Depth	m	1815	MDBRT	1770	TVDBRT
Rig Name / #	469	Prev Report Depth	m	1753	MDBRT	1699	TVDBRT
Mud Ops start date		Daily metres drilled	62	Report time	23:59 Hr		
Spud date		Section metres drilled	1206	Avg ROP	5.0	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 (") 8.5	Baker Hughes	12	12	12	12	12	22.00	Riser Length	m	HOLE VOL 424	MUD INHOLE 355	PUMP SIZE 6 x 11 Inches		CIRCULATION PRESS	2000	psi
DRILL PIPE SIZE (") 5.5	TYPE DP	LENGTH 1,491 m					Conductor @ 0 m			Active Pits 470	Reserve Pits 361	PUMP MODEL Gardner-Denver	% EFFICIENCY 97	SURFACE TO BIT 8 min		
DRILL PIPE SIZE (") 5.5	TYPE HW	LENGTH 48 m					18.625 Surface @ 84 m			TOTAL CIRCULATING VOL 825		BBL / STK 0.0933	STK / MIN 155	BOTTOMS UP 12 min		
							13.375 Intermediate @ 280 m					BBL / MIN 14.47	GAL / MIN 608	TOT CIRC TIME 57 min		
DRILL COLLAR SIZE (") 6.65	6.5	LENGTH 33		243 m			9.625 Prod. or LNR @ 605 m			STORAGE TANKS 0				ECD ppg/sg	11.54	1.38

MUD PROPERTIES	MUD PROPERTY SPECIFICATIONS
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SAMPLE FROM	Pit		Pit		FL		FL		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	3:00		7:30		14:45		22:00		MUD COMMENTS									
DRILLING FLUID TEMPERATURE °C (In/Out)	54				56	61	57	63	Streaming in water at 3 bbls per minute to counter evaporation and rising gel strengths. Mud weight increased due to slugs.									
TOTAL MEASURED DEPTH (TMD) Metres	1753	1753		1766		1804												
INCLINATION (Deg)	18						4		Charged off 8 drums of Radiagreen EME Salt which were sent to Shenandoah S1-1H. 1 x TEA drum used for pilot testing.									
WEIGHT ppg / SG	10.6	1.27	10.6	1.27	10.9	1.31	11.0	1.32										
FUNNEL VISCOSITY (sec / qt) API	48		49		49		47											
RHEOLOGY 600 : 300 RPM 120 °F / 49 °C	58	41	59	39	54	38	50	34										
RHEOLOGY 200 : 100 RPM 120 °F / 49 °C	32	22	31	20	30	21	29	20										
RHEOLOGY 6 : 3 RPM 120 °F / 49 °C	7	5	5	4	7	5	7	5										
PLASTIC VISCOSITY cP @ 120 °F / 49 °C	17		20		16		16		OPERATIONAL COMMENTS Pump Slug. TOOHH from 1753 to 1523 m. Build new slug and pump. TOOHH from 1523 to 556 m. Flow check, well static. TOOHH from from 556 m to surface to lay down BHA and DC. P/U and M/U new BHA post Moroak fmt. RIH to 300 m and shallow test. Trouble shoot directional MWD tools. RIH. Drill ahead 8.5" directional hole from 1753 to 1815 m with Slide more predominantly to Rotate at report time, 24:00 hrs.									
YIELD POINT (lb / 100 ft ²) 120 °F / 49 °C	24		19		22		18											
GEL STRENGTH (lb / 100 ft ²) 10sec/10min/30min	6	19	17	5	14	23	7	24							36	6	19	27
LOW SHEAR RATE VISCOSITY (LSRV)	3		3		3		3											
n K (lb / 100 ft ²)	0.50	1.81	0.60	0.94	0.51	1.61	0.56	1.06										
API FILTRATE (cm ³ / 30 min.)	12.0		12.6		10.8		11.2											
HPHT FILTRATE (cm ³ / 30 min.) °F / °C																		
API : HPHT (Cake / 32nd in.)	1		1		1		1											
pH	9.0				9.0		9.0											
ALKALINITY MUD (Pm)	0.46		0.32		0.42		0.36											
ALKALINITY FILTRATE (Pf / Mf)	0.22	1.1	0.20	1.4	0.35	2.3	0.28	1.0										
CHLORIDE (mg / L)	69000		62000		72500		75000											
TOTAL HARDNESS AS CALCIUM (mg / L)																		
SULPHITE(mg / L) / CaCO3 (ppb)		5.0						10.0										
KCL / K2CO3/ K2SO4																		
K + (mg / L)	0		0		0		0											
PHPA (ppb)																		
METHYLENE BLUE CAPACITY (ppb / % by vol)	7.5	0.8	5.0	0.6	5.0	0.6	7.5	0.8										
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	1.7		1.8		1.7		1.7											
OIL (% by Vol)	0.0		0.0		0.0		0.0											
TOTAL WATER (% by Vol)	88.4		86.4		86.0		86.4											
TOTAL SOLIDS (% by Vol)	11.6		13.6		14.0		13.6											
SAND (% by Vol)	0.1		0.1		0.1		0.1											
TOTAL MUD ON RIG (bbls) : 1186																		

PRODUCT USAGE						SOLIDS CONTROL EQUIPMENT				Time Breakdown	
Product	UnitSize	Start	Received	Used	Close	Type	Hrs	OF	UF	Analysis Item	Hrs
Radiagreen EME	175Ltr	20	0	8	12	Centrifuge 1	NOV-Big Bowl			Tripping	7
Barite BB 1.5MT - Darwi	1500Kg	34	0	2	32					M/U BHA	3
TEA (230 KG)	230Kg	22	0	1	21					Trouble Shoot	2
Barite BB 1.5MT	1500Kg	16	45	0	61					Drilling	12
						Shale Shaker #1	4x170	13			
						Shale Shaker #2	4x170	13			
						Shale Shaker #3	4x170	13			
						SOLIDS ANALYSIS					
						Salt %	4.1	HGS %	5.9	Turbidity (NTU)	0
								LGS %	3.6	TSS %	0
						Corrected Solids %	9.5	Drilled Solids%	2.5	Conduct. (uS/cm)	
										DO mg/l	0
					CURRENCY		DAILY COST		CUMULATIVE COSTS		
					AUD		\$20,479.60		\$157,954.60		

Newpark Engineer: Nicholas Doust Budi Tjahyono Office: 0488013339 Telephone: 0894108202 Fax: 0894108200



DAILY MUD VOLUME ACCOUNT

Date : 5/10/2023
Report No: 13

Well Name: Amungee NW 3H
Operator : Tamboran Resources

FLUID BUILT		DAILY	CUMULATIVE	FLUID LOSSES:		DAILY	CUMULATIVE
Premix drill water		16 bbl	11772 bbl	Losses Attributed To Shakers:		37 bbl	429 bbl
Chemical Volume added		14 bbl	182 bbl	Losses To Centrifuge:		bbl	73 bbl
Sump recycled water		bbl	bbl	Losses To Desander/Desilter:		bbl	179 bbl
Seawater		bbl	bbl	Losses To Cutting Dryer/Mud Cleaner:		bbl	bbl
Other Received on Rig		bbl	bbl	Losses To Tripping:		bbl	bbl
Other Built		bbl	bbl	Discharged:		bbl	bbl
TOTAL BUILT:		30 bbl	11954 bbl	Other Surface Losses:		bbl	bbl
				Surface Losses Subtotal:		37 bbl	682 bbl
WHOLE MUD TRANSFERS ON/OFF		DAILY	CUMULATIVE				
DAILY BACKLOADED:		0	bbl	Seepage Losses:		bbl	bbl
DAILY RECEIVED:		0	770 bbl	Lost Circulation:		bbl	10337 bbl
Cuttings Volume:			bbl	Lost Behind Casing/Left Downhole:		bbl	bbl
				Other Sub-Surface Losses:		bbl	bbl
				Sub-surface Losses Subtotal:		0 bbl	10337 bbl
				TOTAL DISPOSED:		37 bbl	11018 bbl
				Interval losses (bbl/m) :		3	36

TANK STORAGE VOLUMES						
		Tank Volumes (bbls)				
Tank Name	Tank Status	Current	Capacity	MW	(ppg)	MW(sg) Comments
Sandtrap	Active	24	77	11	1.32	CleanTroll HD
Degasser	Active	18	77	11	1.32	CleanTroll HD
Desilter	Active	19	77	11	1.32	CleanTroll HD
Backflow	Active	18	77	11	1.32	CleanTroll HD
Tank#1	Active	72	100	11	1.32	CleanTroll HD
Tank#2	Active	72	100	11	1.32	CleanTroll HD
Tank#3	Active	69	100	11	1.32	CleanTroll HD
Suction#1	Active	67	100	11	1.32	CleanTroll HD
Suction#2	Active	65	100	11	1.32	CleanTroll HD
Suction#3	Reserve	46	100	9.8	1.17	CleanTrol HD
Slug	Reserve	75	100	9.7	1.16	CleanTrol HD
F/L	Active	30	10	11	1.32	CleanTrol HD
T/T-1	Active	8	35	11	1.32	CleanTrol HD
T/T-2	Active	8	35	11	1.32	CleanTrol 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:		1193	
Current Tank Volume:		470	
Mud Volume In Hole(Incl Ri		355	
Other Volume In Hole:			
Riser Volume:			
Total Hole Volume:		424	
Total Built:		30	
Total Storage:			
Total Reserve:		361	
Total Disposed:			37
Whole Mud Backloaded:			
Whole Mud Received:			
TOTAL MUD AT RIGSITE		1186	bbls
VOLUME BREAKDOWN			
FLUID TYPE VOLUME BREAKDOWN 24hr Consumption			
	0		
CACL2 BRINE	240		
CLEANTROL HD	167		
CLEANTROLL HD	424		

Daily Inventory

Report No: 13

Well: Amungee NW 3H

Report Date: 5/10/2023

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	16	45	65		4			61
Barite BB 1.5MT - Darwin	1500Kg	34		53	2	21			32
CaCl2 - Prills - bb	1000Kg	170		195		25			170
Caustic Soda	25Kg Drum	39		42		3			39
Citric Acid	25Kg Sack	138		138					138
CleanTrol HD	22.7Kg	720		829		109			720
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	67		80		13			67
JK-161 LV	25Kg	77		85		8			77
KCL (L)	1000Kg Bulk Bag	24		31		7			24
Lime 25 Kg	25Kg	30		38		8			30
Magnesium Oxide	20Kg Sack	352		374		22			352
NDFT 325	208Ltr	5		7		2			5
NewPac LV 25 Kg	25Kg	153		180		27			153
NewSeal 25	25Kg	119		119					119
NewZan D	25Kg	258		323		65			258
Omyacarb 2 (bb)	1000Kg	74		75		1			74
Omyacarb 5 (bb)	1000Kg	18		18					18
Radiagreen EME	175Ltr	20		20	8	8			12
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		16			48
Sugar	25Kg Sack	21		37		16			21
TEA (230 KG)	230Kg	22		22	1	1			21
TrueScav HD	25Kg	55		63		8			55
Zinc Oxide 25 Kg	25Kg	21		21					21