



WATER BASED MUD Daily Operation Report

Date	7/10/2023	Section name	8 1/2" Section				
Report	15	Report Depth	m	2220	MDBRT	2170	TVDBRT
Rig Name / #	469	Prev Report Depth	m	2080	MDBRT	2034	TVDBRT
Mud Ops start date		Daily metres drilled	140	Report time	23:59 Hr		
Spud date		Section metres drilled	1611	Avg ROP	15.6	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	EP 117	LOCATION	STATE
				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 517	MUD INHOLE 426	PUMP SIZE 6 x 11 Inches	CIRCULATION PRESS 2900 psi	
DRILL PIPE SIZE (") 5.5	TYPE DP	LENGTH 1,616 m	Conductor @ 0 m	Active Pits 443	Reserve Pits 325	PUMP MODEL Gardner-Denver	% EFFICIENCY 97	SURFACE TO BIT 10 min
DRILL PIPE SIZE (") 5.5	TYPE HW	LENGTH 279 m	18.625 Surface @ 84 m	TOTAL CIRCULATING VOL 869		BBL / STK 0.0933	STK / MIN 140	BOTTOMS UP 15 min
DRILL COLLAR SIZE (") 6.65	6.5	LENGTH 313 12 m	13.375 Intermediate @ 280 m	STORAGE TANKS 0		BBL / MIN 13.07	GAL / MIN 549	TOT CIRC TIME 66 min
			9.625 Prod. or LNR @ 605 m			BBL / MIN	GAL / MIN	ECD ppg/sg 12.57 1.51

MUD PROPERTIES										MUD PROPERTY SPECIFICATIONS											
SAMPLE FROM					FL		Pit		FL				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					2:30		11:00		23:00												
DRILLING FLUID TEMPERATURE °C (In/Out)					60	67			59	62			MUD COMMENTS								
TOTAL MEASURED DEPTH (TMD) Metres					2089		2089		2207												
INCLINATION (Deg)									18.96				Increased mud weight to 11.35 ppg with barite as per OCR instructions. Treated active system with calcium chloride brine to help reduce gel strengths. Treated active system with 0.5% for inhibition and Avaglycol and 1 ppb Cleanrol. Run water onto Active system at 5 BPH to compensate evaporation and hydarton of the mud. Add 16 sacks CleanTrol HD to Active to reduce API Fluid Loss. Transfer 65 bbls or 9.7 Brine slowly from Slug to Active to keep mud at 11.6 ppg and to reduce the rheology. Bottoms up had some mechanical splinters but cleaned up quickly. Inventory adjustment made today. Mud check #2 mud weight heavier due to slug								
WEIGHT ppg / SG					11.3+	1.36	11.7	1.40	11.6	1.39											
FUNNEL VISCOSITY (sec / qt) API					55		56		53												
RHEOLOGY 600 : 300 RPM 120 °F / 49 °C					77	53	74	54	66	42											
RHEOLOGY 200 : 100 RPM 120 °F / 49 °C					43	32	45	33	32	22											
RHEOLOGY 6 : 3 RPM 120 °F / 49 °C					16	14	16	16	9	7											
PLASTIC VISCOSITY cP @ 120 °F / 49 °C					24		20		24												
YIELD POINT (lb / 100 ft ²) 120 °F / 49 °C					29		34		18												
GEL STRENGTH (lb / 100 ft ²) 10sec/10min/30min					17	53	72	18	55	77	8	35							54		
LOW SHEAR RATE VISCOSITY (LSRV)					12		16		5												
n K (lb / 100 ft ²)					0.54	1.84	0.45	3.18	0.65	0.72											
API FILTRATE (cm ³ / 30 min.)					11.4		10.1		8.6												
HPHT FILTRATE (cm ³ / 30 min.) °F / °C																					
API : HPHT (Cake / 32nd in.)					1.5		1		1												
pH					9.0		9.0		9.5												
ALKALINITY MUD (Pm)					0.60		0.33		1.00												
ALKALINITY FILTRATE (Pf / Mf)					0.40	1.6	0.22	1.7	0.56	1.8											
CHLORIDE (mg / L)					85000		85000		110000												
TOTAL HARDNESS AS CALCIUM (mg / L)																					
SULPHITE(mg / L) / CaCO3 (ppb)										5.0											
KCL / K2CO3/ K2SO4																					
K + (mg / L)					0		0		0												
PHPA (ppb)																					
METHYLENE BLUE CAPACITY (ppb / % by vol)					7.5	0.8	7.5	0.8	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					1.5		1.7		1.1												
OIL (% by Vol)					0.0		0.0		0.0												
TOTAL WATER (% by Vol)					86.4		82.0		83.5												
TOTAL SOLIDS (% by Vol)					13.6		18.0		16.5												
SAND (% by Vol)					0.1		0.1		0.1												
												Water Source		Water Bore							
												MUD ACCOUNTING (BBLs)			SUMMARY						
												FLUID BUILT		FLUID LOSSES		Start Vol		1220			
												Drill Water		60	S.C.E.		101	Received		0	
												Chemical		15	Discharge		0	Backload		0	
												Sump/SeaW		0	Downhole		0	Built		75	
												Other Rec'd		0	Tripping		0	Lost sub		0	
												Other Built		0	Other		0	Lost srf		101	
														TOTAL MUD ON RIG (bbls) : 1194							

PRODUCT USAGE						SOLIDS CONTROL EQUIPMENT						Time Breakdown		
Product	UnitSize	Start	Received	Used	Close	Type		Hrs	OF	UF	Analysis Item	Hrs		
CleanTrol HD	22.7Kg	720	0	30	690	Centrifuge 1	NOV-Big Bowl				Drilling	9		
Barite BB 1.5MT - Darwi	1500Kg	25	0	12	13						Tripping	9		
CaCl2 - Prills - bb	1000Kg	168	0	8	160						M/U BHA	6		
Magnesium Oxide	20Kg Sack	352	0	8	344									
NewZan D	25Kg	258	0	7	251	Shale Shaker #1	4x170	15						
DEFOAM AP 400	25Ltr	50	0	6	44	Shale Shaker #2	4x170	15						
Omyacarb 2 (bb)	1000Kg	74	0	6	68	Shale Shaker #3	4x170	15	SOLIDS ANALYSIS					
NDFT 325	208Ltr	5	0	3	2				Salt %	5.9	HGS %	7.3	Turbidity (NTU)	0
Citric Acid	25Kg Sack	138	0	2	136						LGS %	3.3	TSS %	0
Idcide-G50	20Ltr	67	0	2	65				Corrected Solids %	10.6	Drilled Solids%	2.8	Conduct. (uS/cm)	
Lime 25 Kg	25Kg	30	0	2	28								DO mg/l	0

DAILY MUD VOLUME ACCOUNT

Date : 7/10/2023
Report No: 15

Well Name: Amungee NW 3H
Operator : Tamboran Resources

FLUID BUILT		DAILY	CUMULATIVE	FLUID LOSSES:		DAILY	CUMULATIVE
Premix drill water		60 bbl	11852 bbl	Losses Attributed To Shakers:		101 bbl	522 bbl
Chemical Volume added		15 bbl	222 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:			
TOTAL BUILT:		75 bbl	12074 bbl	Other Surface Losses:			
				Surface Losses Subtotal:		101 bbl	793 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:		101 bbl	11130 bbl
				Interval losses (bbl/m) :		2	34

TANK STORAGE VOLUMES

		Tank Volumes (bbls)					Comments
Tank Name	Tank Status	Current	Capacity	MW	(ppg)	MW(sg)	
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	68	100	11.6	1.39		CleanTroll HD
Tank#2	Active	69	100	11.6	1.39		CleanTroll HD
Tank#3	Active	69	100	11.6	1.39		CleanTroll HD
Suction#1	Active	62	100	11.6	1.39		CleanTroll HD
Suction#2	Active	58	100	11.6	1.39		CleanTroll HD
Suction#3	Reserve	60	100	11.6	1.39		CleanTroll HD
Slug	Reserve	25	100	9.7	1.16		CleanTroll HD
F/L	Active	20	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:	1220	
Current Tank Volume:	443	
Mud Volume In Hole(Incl Ri	426	
Other Volume In Hole:		
Riser Volume:		
Total Hole Volume:	517	
Total Built:	75	
Total Storage:		
Total Reserve:	325	
Total Disposed:		101
Whole Mud Backloaded:		
Whole Mud Received:		
TOTAL MUD AT RIGSITE	1194 bbls	

VOLUME BREAKDOWN

FLUID TYPE VOLUME BREAKDOWN 24hr Consumption		
	0	
CACL2 BRINE	240	
CLEANTROL HD	121	
CLEANTROLL HD	407	

Daily Inventory

Report No: 15

Well: Amungee NW 3H

Report Date: 7/10/2023

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	61		65		4	1	1	60
Barite BB 1.5MT - Darwin	1500Kg	25		53	12	40			13
CaCl2 - Prills - bb	1000Kg	168		195	8	35			160
Caustic Soda	25Kg Drum	39		42		3			39
Citric Acid	25Kg Sack	138		138	2	2			136
CleanTrol HD	22.7Kg	720		829	30	139			690
DEFOAM AP 400	25Ltr	50		50	6	6			44
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	2	15			65
JK-161 LV	25Kg	77		85		8			77
KCL (L)	1000Kg Bulk Bag	24		31		7			24
Lime 25 Kg	25Kg	30		38	2	10			28
Magnesium Oxide	20Kg Sack	352		374	8	30			344
NDFT 325	208Ltr	5		7	3	5			2
NewPac LV 25 Kg	25Kg	153		180		27			153
NewSeal 25	25Kg	119		119					119
NewZan D	25Kg	258		323	7	72			251
Omyacarb 2 (bb)	1000Kg	74		75	6	7			68
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		16			48
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