



WATER BASED MUD Daily Operation Report

Date	1/10/2023	Section name	8 1/2" Section					
Report	9	Report Depth	m	609	MDBRT	609		TVDBRT
Rig Name / #	469	Prev Report Depth	m	609	MDBRT	609		TVDBRT
Mud Ops start date		Daily metres drilled	0	Report time	23:59	Hr		
Spud date		Section metres drilled	0	Avg ROP	0.0	m/hour		
RT-Ground Level m		Report time activity	Drilling FC and a Shoe track					

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	12	12	12	13	13	22.00	Riser Length	m	HOLE VOL 146	MUD INHOLE 122	PUMP SIZE 6 x 11 Inches		CIRCULATION PRESS	psi	
DRILL PIPE SIZE (") 5.5	TYPE DP	LENGTH 440 m					Conductor @ 0 m			Active Pits 446	Reserve Pits 572	PUMP MODEL Gardner-Denver	% EFFICIENCY 97	SURFACE TO BIT	0 min	
DRILL PIPE SIZE (") 5.5	TYPE HW	LENGTH 29 m					18.625 Surface @ 84 m			TOTAL CIRCULATING VOL 568		BBL / STK	STK / MIN	BOTTOMS UP		0 min
							13.375 Intermediate @ 280 m							TOT CIRC TIME		min
DRILL COLLAR SIZE (") 6.65	6.5	LENGTH 25 89 m					9.625 Prod. or LNR @ 605 m			STORAGE TANKS 0		BBL / MIN 0	GAL / MIN 0	ECD ppg/sg		0

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				5:15		7:30		23:30											
DRILLING FLUID TEMPERATURE °C (In/Out)				42				42	42			MUD COMMENTS							
TOTAL MEASURED DEPTH (TMD) Metres				609		609		583				Changed shaker screens to API 170.							
INCLINATION (Deg)						15.9		15				Mixed 360 bbls of Calcium Chloride (CaCl2) brine for later in the well.							
WEIGHT ppg / SG				9.7+	1.17	10.2	1.22	10.1	1.21			Mud weight of 10.2 ppg may not be indicative of entire active system.							
FUNNEL VISCOSITY (sec / qt) API				42		41		42				Will run centrifuge and desilter when drilling formation start							
RHEOLOGY 600 : 300 RPM 120 °F / 49 °C				44	32	42	29	42	30										
RHEOLOGY 200 : 100 RPM 120 °F / 49 °C				26	19	24	18	25	18										
RHEOLOGY 6 : 3 RPM 120 °F / 49 °C				8	6	6	4	7	5										
PLASTIC VISCOSITY cP @ 120 °F / 49 °C				12		13		12											
YIELD POINT (lb / 100 ft²) 120 °F / 49 °C				20		16		18											
GEL STRENGTH (lb / 100 ft²) 10sec/10min/30min				7	10	14	4	9	12	5	7	9							
LOW SHEAR RATE VISCOSITY (LSRV)				4		2		3				OPERATIONAL COMMENTS							
n K (lb / 100 ft²)				0.46	1.83	0.53	1.04	0.49	1.46			R/U cementing head. Test lines. Pump cement as per program (150 bbls 12.5 ppg spacer, 84.2 bbls Lead slurries, 52.8 bbls Tail slurries) and displace with 139.7 bbls mud from cement unit. No downhole lost recorded while pumping and displacing cement. Observe spacer contamination with cement but no neat cement return on surface. WOC. P/U and M/U 8 5" MWD BHA. Tripping in hole and tag cmt plug at 578 m. Drill ahead to 583 m at midnight report.							
API FILTRATE (cm³ / 30 min.)				11.6		12.4		12.2											
HPHT FILTRATE (cm³ / 30 min.) °F / °C																			
API : HPHT (Cake / 32nd in.)				1		1		1											
pH				9.0		9.5		9.5											
ALKALINITY MUD (Pm)				0.46		0.55		0.80											
ALKALINITY FILTRATE (Pf / Mf)				0.30	1.0	0.34	1.2	0.42	0.9										
CHLORIDE (mg / L)				42000		42000		42000											
TOTAL HARDNESS AS CALCIUM (mg / L)																			
SULPHITE(mg / L) / CaCO3 (ppb)					10.0				10.0										
KCL / K2CO3/ K2SO4																			
K + (mg / L)				0		0		0				Water Source Water Bor							
PHPA (ppb)																			
METHYLENE BLUE CAPACITY (ppb / % by vol)				7.5	0.8	5.0	0.6	7.5	0.8			MUD ACCOUNTING (BBLs)				SUMMARY			
BENTONITE ADDED (ppb / % by vol)					0.0		0.0		0.0			FLUID BUILT		FLUID LOSSES		Start Vol	780		
OTHER PRODUCTS ADDED (ppb / % by vol)												Drill Water	301	S.C.E.	0	Received	0		
OTHER LIQ PRODUCTS ADDED (ppb / % by vol)												Chemical	59	Discharge	0	Backload	0		
Glycol % v/v				1.4		1.2		1.2				Sump/SeaW	0	Downhole	0	Built	360		
OIL (% by Vol)				0.0		0.0		0.0				Other Rec'd	0	Tripping	0	Lost sub	0		
TOTAL WATER (% by Vol)				92.0		90.0		91.0				Other Built	0	Other	0	Lost srf	0		
TOTAL SOLIDS (% by Vol)				8.0		10.0		9.0				TOTAL MUD ON RIG (bbls) : 1140							
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		
CaCl2 - Prills - bb	1000Kg	190	5	20	175	Centrifuge 1	NOV-Big Bowl				Circulation	2		
Sugar	25Kg Sack	37	0	16	21						Cementing	3		
Barite BB 1.5MT - Darwi	1500Kg	45	0	4	41						WOC	11		
Barite BB 1.5MT	1500Kg	11	5	0	16						M/U BHA	5		
CleanTrol HD	22.7Kg	584	200	0	784	Shale Shaker #1	2x80,2x100				Tripping	2		
Magnesium Oxide	20Kg Sack	266	96	0	362	Shale Shaker #2	2x80,2x100				Drilling FC and a	1		
NewSeal 25	25Kg	80	39	0	119	Shale Shaker #3	2x80,2x100		SOLIDS ANALYSIS					
Omyacarb 2 (bb)	1000Kg	51	24	0	75				Salt %	2.4	HGS %	3.7	Turbidity (NTU)	0
Omyacarb 5 (bb)	1000Kg	2	16	0	18						LGS %	3.0	TSS %	0
Soda Ash	25Kg Sack	0	48	0	48				Corrected Solids %	6.7	Drilled Solids%	1.9	Conduct. (uS/cm)	
													DO mg/l	0
						CURRENCY		DAILY COST		CUMULATIVE COSTS				
						AUD		\$29,326.00		\$85,957.50				

DAILY MUD VOLUME ACCOUNT

Date : 1/10/2023
Report No: 9

Well Name: Amungee NW 3H
Operator : Tamboran Resources

FLUID BUILT		DAILY	CUMULATIVE	FLUID LOSSES:		DAILY	CUMULATIVE
Premix drill water		301 bbl	11471 bbl	Losses Attributed To Shakers:			215 bbl
Chemical Volume added		59 bbl	107 bbl	Losses To Centrifuge:			23 bbl
Sump recycled water				Losses To Desander/Desilter:			113 bbl
Seawater				Losses To Cutting Dryer/Mud Cleaner:			
Other Received on Rig				Losses To Tripping:			
Other Built				Discharged:			
TOTAL BUILT:		360 bbl	11578 bbl	Other Surface Losses:			
				Surface Losses Subtotal:	0 bbl	351 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:	0 bbl	10688 bbl	
				Interval losses (bbl/m) :	0		

TANK STORAGE VOLUMES

Tank Name	Tank Status	Current	Tank Volumes (bbls)				Comments
			Capacity	MW	(ppg)	MW(sg)	
Sandtrap	Active	23	77	10.1	1.21		CleanTroll HD
Degasser	Active	16	77	10.1	1.21		CleanTroll HD
Desilter	Active	16	77	10.1	1.21		CleanTroll HD
Backflow	Active	16	77	10.1	1.21		CleanTroll HD
Tank#1	Active	69	100	10.1	1.21		CleanTroll HD
Tank#2	Active	69	100	10.1	1.21		CleanTroll HD
Tank#3	Active	69	100	10.1	1.21		CleanTroll HD
Suction#1	Active	66	100	10.1	1.21		CleanTroll HD
Suction#2	Active	66	100	10.1	1.21		CleanTroll HD
Suction#3	Reserve	71	100	9.8	1.17		CleanTroll HD
Slug	Reserve	90	100	10.8	1.29		CaCl2 Brine
T/T-1	Active	18	35	9.7	1.16		CleanTroll HD
T/T-2	Active	18	35	9.7	1.16		CleanTroll HD
Frac Tank-1	Reserve	270	450	10.8	1.29		CaCl2 Brine
Frac Tank-2	Reserve	141	450	10.3	1.23		CleanTroll HD
Frac Tank-3	Reserve		450				

VOLUME SUMMARY:

	+	-
Starting Volume:	780	
Current Tank Volume:	446	
Mud Volume In Hole(Incl Ri	122	
Other Volume In Hole:		
Riser Volume:		
Total Hole Volume:	146	
Total Built:	360	
Total Storage:		
Total Reserve:	572	
Total Disposed:		
Whole Mud Backloaded:		
Whole Mud Received:		
TOTAL MUD AT RIGSITE	1140 bbls	

VOLUME BREAKDOWN

FLUID TYPE VOLUME BREAKDOWN 24hr Consumption		
CACL2 BRINE	360	
CLEANTROL HD	107	
CLEANTROLL HD	551	

Daily Inventory

Report No: 9

Well: Amungee NW 3H

Report Date: 1/10/2023

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	82		87		5			82
Barite BB 1.5MT	1500Kg	11	5	20		4			16
Barite BB 1.5MT - Darwin	1500Kg	45		53	4	12			41
CaCl2 - Prills - bb	1000Kg	190	5	195	20	20			175
Caustic Soda	25Kg Drum	40		42		2			40
Citric Acid	25Kg Sack	138		138					138
CleanTrol HD	22.7Kg	584	200	829		45			784
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	73		80		7			73
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	266	96	374		12			362
NDFT 325	208Ltr	7		7					7
NewPac LV 25 Kg	25Kg	153		180		27			153
NewSeal 25	25Kg	80	39	119					119
NewZan D	25Kg	285		323		38			285
Omyacarb 2 (bb)	1000Kg	51	24	75					75
Omyacarb 5 (bb)	1000Kg	2	16	18					18
Radiagreen EME	175Ltr	20		20					20
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	60		64		4			60
Sugar	25Kg Sack	37		37	16	16			21
TEA (230 KG)	230Kg	22		22					22
TrueScav HD	25Kg	55		63		8			55
Zinc Oxide 25 Kg	25Kg	21		21					21