

DRILLING FLUID REPORT

Report # 46 Date : 23-Oct-2006

Rig No 32 Spud : 8-Sep-2006

Depth 3612 to 3648 Metres

N drilling	- Storida			RE.	P(Эŀ	ľΊ	•			Rig I	No	32	Spu	d :	8-S	ep-200	6		
IN avenue	SJANGE										Dept	h	3612	to	3648	Met	res			
OPERATOR BEACH Petroleum LTD									CONTRACTOR				Int'l Ene	rgy S	VCs					
REPORT FOR Brian Marriott - Scott Healey R									REPORT FOR				Andy Baker							
WELL NAME		FIELD				LOCATION					STATE									
			PEP	160			OT\	WAY	Basin		VICTOR	IA								
DRILLING ASSEMB				VOLUME (BBL)			DATA													
BIT SIZE TYPE 6.00 Reed DS						нс	275	LE PITS 375 471			PUMP S		Inches	CIRCULATION PRESS (PSI) 3040			3040	psi		
DRILL PIPE TYPE	Length		9 5/8 INTERME	DIATE 4107	7 ft TOTAL CIF		RCULATING VOL.		•	PUMP	PUMP MODEL		ASSUME	D EFF BOTTOMS				рэг		
SIZE 3.5 15.5 DRILL PIPE TYPE	# Length	3401 Mtrs	7 PRODUCT				1028 IN STORAGE				x NAT 8-P80 BBL/STK		97 STK / MIN	%	UP (min) TOTAL CIRC.		52	min		
SIZE 3.50 HW	_	86 Mtrs	LINER S		-		182			0.0516			118		TIME (min)	174		min		
DRILL COLLAR SIZE (") Length MUD TYPE 4.75 161 Mtrs 5% KCI-Ph					HPA-POLYMER				BBL/MIN 5.91						DP	256	Tur Tur			
4.75	MUD PROPERTIES					5.91 248 (ft/min) DCs 452 T MUD PROPERTY SPECIFICATIONS								Tui						
SAMPLE FRO					Mud \	Weight	11.		API Filtrate		6 - 8		HPHT Filtrate NA							
TIME SAMPL	10.30		23.20		Plasti	ic Vis	is ALAP		Yield Point	d Point 8 - 15		рН	oH 9.0 - 9.5							
DEPTH (ft) - (m) Metres						3,627		3,648		>5%		%	PHPA		0.75 - 1.5	Sulphites	8	30 - 120		
FLOWLINE TEMPERATURE ° C 0 F						56		57		<u>OBSERVATIONS</u>										
WEIGHT ppg / SG FUNNEL VISCOSITY (sec/qt) API @ C						1.345			<u> </u>											
FUNNEL VIS	3				Mud weight now being maintained at appox 11.1 ppg.															
PLASTIC VIS	1			2	Fluid loss has stabilised with Pac-LV additions, although note that 6 sacks are still in the premix that has not been added yet.															
YIELD POINT	12 2 5		12 2 4																	
GEL STRENG RHEOLOGY	34	23	36	4 24	Rheology is remaining stable. Although very minor seepage loss appears to be occurring, a more rapid															
RHEOLOGY	18	14	19	14		loss of approx 7 bbls earlier in day led to a sack of Kwikseal Fine being added.														
RHEOLOGY	3 2		3 2		The state of the s															
FILTRATE AF	6.8		6	6.6																
HPHT FILTRA																				
CAKE THICK	1		1	1		Note that bit has 4x20 and 3x10 nozzles - due to mud report limitation of only														
SOLIDS CON	₹	8.0		7	7.5		only 6 nozzles, this configuration is equivalent to 6 x 17.8 nozzles.													
LIQUID CON		92.0	_	92.5			OPERATIONS SUMMARY													
SAND CONTI	Tr		Tr		Drill to 3641 m. Circulate and conduct wper trip to 3487 m.															
METHYLENE	7.0 9.0		9.0		Work tiight hole 3602 m - 3592 m, 3563 m - 3554 m, & 3515 m - 3506 m. RIH - hole ok and no fill.															
pH ALKALINITY MUD. (Pm)						.0	3	.0	Wash to bottom and drill ahead.											
ALKALINITY MUD (Pm) ALKALINITY FILTRATE (Pf / Mf)						0.13 0.90		0.12 0.92												
CHLORIDE (mg/L)						172,000		171,000												
TOTAL HARDNESS AS CALCIUM (mg/L)						00	80													
SULPHITE (mg/L)						150		120												
K+ (mg/L)						40,688		40,688												
KCI (% by Wt.)						7.8		7.8												
PHPA (ppb)						0.83		0.79												
				411.				<u> </u>												
Mud Accounting (bbls) FLUID BUILT & RECEIVED FLUID DISPOSED						SUMI	MARY		ł	ĺ	Туре	Hrs	Solias Co I	ntrol Equipment Cones Hrs		1	Size	Hrs		
Premix (drill water)			Desander		INITIAI	L VOLUM		966	C	entrifuge		3	Desander			Shaker #1	4 x 310			
Premix (recirc from	sump)	100	Desilter		INTIAL VOLUM					egasser		•	Desilter			Shaker #2	4 x 310	_		
Drill Water			Downhole	27	+ FLUID RECEIV		/ED	ED 100		J 	\vdash			\vdash						
Direct Recirc Sump			Dumped	8	- FLUID LOST			37		I				1	1			-1		
Other (eg Diesel)			Other	2	+ FLUID IN STO		RAGE	AGE 182		Ove				Underflow (ppg)		Output (Gal/Min.)				
										nder	,				1.0		0.47			
TOTAL RECEI	VED	100	TOTAL LOST	37	FINAL VO	OLUME	ı	1,210	Desil						0					
Product	Price	Start	Received	Used	Clo			ost		Solid	s Ana	_			Bit Hydraulie	cs & Pres				
AMC Biocide G	\$ 185.35	10		1		9	\$	185.35				%	PPB	+	elocity		5-			
AMC PAC-L	\$ 159.98	37		11		6		,759.78		Grav solids		6.7	98.61	+	ct force		7			
AMC PHPA	\$ 118.90 \$ 8.20	32 880		360	3 52		\$ 2	118.90	Total Bento			0.8	7.3 6.5	HHP HSI			0.	2		
Baryte Caustic Soda	\$ 48.90	14		1		3	\$		1	d Solids		0.7	0.5	+	ress Loss		3			
KWIKSEAL - F	\$ 56.39	77		1		6	\$	56.39	Salt			10.5	99.0	+	Seat Frac P	ress	2200			
Potassium Chloride (l -	294		42		52	\$	795.90	_	23.20 Hrs		0.58		-	v. Mud Wt.	13.80 ppg				
Sodium Sulphite	\$ 33.30	28		1	2	7	\$ 33.		_	23.20 Hrs				ECD 11.55 pp						
Xanthan Gum	\$ 359.25	61		2	5	9	\$ 718.50		Max Pressure @ Shoe : 1381 psi											
									DAWA COOT											
									DAILY COST				CUMULATIVE COST							
RMN ENGINEER		Adelsi	de Offi	CA	\$6,669.02					\$164,867.03 EPHONE 08 8338 7266										
NIVIN ENGINEER	Anare	Skujins	ion and/or recommends	CITY	ally or writter b				nd may b	a used if the user-	en alento L	101110110-	no roprocentation	or werenet	INE	U8 8.	JJO 126	U		