

4 Jikara Drive
Glen Osmond SA 5064
Phone : 61 8 83387266
Fax : 61 8 83387277
ABN : 13 211 314 811



DRILLING FLUID SUMMARY

FOR : CENTRAL PETROLEUM

WELL : BLAMORE # 1

PEDIRKA BASIN

NORTHERN TERRITORY

Prepared by : Peter Burke
Andre Skujins

Date : August 2008

Operator : Central Petroleum
Well : Blamore # 1
Rig : Hunt Rig 2
Spud : 5th July 2008



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1. SUMMARY OF OPERATIONS

Blamore #1 was spudded at 04:00 hrs on the 5th July, 2008 using Hunt Rig #2 and reached a depth of 2128 m. The conductor was set at 9.5 m. The 9 5/8" casing was set at 965 m.

The pipe became stuck at 2128 m and was backed-off at this point. An attempt to log was made but tight hole around 1300 m prevented any success. A cement plug was spotted which did not set in place, however this plug was drilled through and the 7" casing was run to 1494 m so that logs could be run. Then the well was plugged and abandoned on the 8th August, 2008.

The drill water was sourced from the local bore and had the following properties:-

pH	8.0
Chlorides	3800 mg/l
Hardness	400 mg/l

HOLE SIZE : 12¹/₄"
MUD TYPE : Aus Gel – KCl Spud Mud
INTERVAL : 0-975 m
CASING : 9 5/8" @ 965 m

Aus Gel bentonite was mixed in drill water to obtain a viscosity of approx 50 sec/qt and this fluid was used to drill out the rat hole, mouse hole and then to start the 12¹/₄" hole section. KCl was pre mixed and ready to add at the first sign of sticky clays at the shaker. The addition of the KCl brine started at 90 m and continued to the section TD of 975 m. The K⁺ ion was run between 2 and 4% by weight.

The drilling of this section was finished in 3 days without hole or drilling problems encountered. The cuttings at the shaker were firm and competent.

At casing point, a wiper trip back to the stabiliser was made and the stabiliser was laid out. The bit was run back to bottom encountering little resistance getting to bottom at 975 m.

The hole was circulated until clean. The bit was pulled out of the hole ready to run casing. The first few joints of casing were difficult to run because of tight hole. The 960 m point was reached and the casing hung up and the jet was blocked so circulation was not impossible. Two joints were pulled back and laid down then the jet became unblocked and circulation was established. The

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casing was then run back to 960 m where it became stuck and was worked for about 12 hours.

A hi-vis pill was pumped but there was no change. A diesel pill was mixed with 3,000 litres diesel, 20 bbls polymer mud and 100 litres Rod Free surfactant. This was spotted down hole leaving 100 meters inside the casing and 100 meters in the annulus. The pipe was worked and came free within 15 minutes.

Then the casing was worked down to 965 m and cemented with full returns to surface and the plug was bumped.

All mud tanks were dumped and cleaned and made ready to drill out the casing for the next section.

HOLE SIZE	: 8½"	
MUD TYPE	: KCI/PHPA	KCI/PHPA/ Pac-R
INTERVAL	: 975 m - 2128 m	1200 m - 2128 m
CASING	: P & A	

The BOP's were nipped up and tested. At the same time, the fresh 2% KCl brine was mixed into the surface system for the drilling out of the 9 5/8" casing.

A new BHA with bit #2, a tricone and 3 x 12 jets was made up and run to the top of the cement at approximately 940 m. The cement, shoe track and 3 m of new formation were drilled to 978 m.

The new fluid was blended into the water from the casing as drilling cement continued. After the hole was circulated clean and the mud balanced, an FIT was conducted to 16.6 ppg equivalent mud weight. The mud weight was 8.6 ppg.

Drilling commenced with steady additions of pre-mixed mud from the pill tank. The sand trap was dumped occasionally and the Desilter was run throughout this section. From 1000 m Pac-R was added to reduce the filtrate to below 8.0 cc's. Xanthan Gum was also added to further help increase the yield point to around 20 lbs/100 ft², and was maintained at 20 – 25 lbs/100 ft² throughout the remainder of the well. The mud weight remained constant at 9.0 - 9.1 ppg.

The pH was maintained at approximately 9.0 with Caustic Soda. Sodium Sulphite was added to maintain an excess of 100 – 200 mg/l of sulphite ion, to reduce dissolved oxygen and therefore corrosion of tubulars.

At 1405 m a drilling break was circulated up and coring point was announced. However it was noticed that the crossover for the core barrel was not on location.

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The same bit and bottom hole assembly were run back in the hole and drilling recommenced.

Fresh premix pre-treated with biocide was added to maintain constant properties and the mud weight was kept as low as possible between 8.9 and 9.2 ppg.

At 1776 m the air compressor failed and a wiper trip was made to the shoe for mechanical repairs. One tight spot was encountered around 1525 m and the pipe was worked. The rest of the trip was uneventful. At 1899 m the clutch burnt out and a trip was made to the shoe to await repairs. The hole was in good condition when pulling out.

As drilling continued, the mud weight rose to 9.3 ppg and more premixes were added continually whilst the sand trap was dumped more often. There were no reserve pits available so excess mud was dumped. Large amounts of coal were seen at the shakers all the way down to nearly 2100 m.

At 2128 m it was decided to change the bit. When the kelly was pulled up to lay out a single the pipe became stuck. After several hours it was decided to mix a diesel/Rod Free pill and spot around the bottom hole assembly. This was done with 20 bbls diesel, 4 drums of Rod Free and 15 bbls of polymer mud, the same recipe which freed the casing in the previous section. The mix was displaced leaving 9 bbls inside the pipe which was pumped at a rate of half a barrel every 10 minutes for 3 hours until it was all out of the pipe. Then circulation resumed. The pipe was worked but only moved a few inches.

Carbide was run which came up very early suggesting the presence of a wash out around 750 m. The logging company were called to run a free point so that a back-off could be instigated.

The pipe was backed off at 900 m. The string was pulled wet and no wash-out was observed. The Kelly cock was added to the lower stand of drill pipe and the string was run back into the hole. Every ten stands the pipe was pressured up and still the washout was not found. It was decided to pull out of the hole. The Kelly cock was removed and the pipe ran back into the hole to screw into the fish at 900 m.

Circulation was established and a slight treatment made to the mud which by then was 9.0 ppg. More caustic, biocide and sodium sulphite was added and a premix made for volume as seepage losses were at 1 - 1.5 bbls/hr.

Carbide was run again which came up at around the same depth of 750 – 850 m. The wire line company ran a free point tool to establish a lower back-off point. The explosives were run and the pipe was backed off at 2064 m.

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The string was pulled and the wash out was observed at 937 m. The washed out single was laid out. On surface the BOP's were tested and some more singles were laid down prior to running in the hole for a clean-up trip. A new bit without jets and a slick bottom whole assembly were picked up and run into the hole.

Around 1300 m during the clean-up trip tight hole was experienced. A high viscosity sweep was circulated. Reaming commenced and whenever possible stands were run to get the string to tag the fish at 2064 m. The bit was pulled to 1300 m prior to running back to the fish. This wiper trip was good, on the way out and running back to bottom. Another high viscosity sweep was pumped then a slug was made and the bit pulled prior to logging.

The logging tool would not pass 1302 m. This was the area where tight hole was observed. It was theorised that an unconsolidated siltstone was collapsing all the time. The logging tools were laid down and a wiper trip made. The area from 1290 – 1400 m was very tight, the mud weight was raised with KCl which gave a concentration of 5% by weight KCl. More reaming was required to 1500 m and then 1600 m before the hole was good enough to allow stands to be run.

Another high viscosity sweep was pumped which did not bring any noticeable extra cavings. The bit was pulled above 1300 m and run in to experience tighter hole. More reaming continued. A low viscosity high turbulent water sweep was circulated but no change was observed at the shakers.

Open ended drill pipe was run into the hole to set a cement plug at around 1350 m. The old bottom hole assembly was run back into the hole and the cement was not tagged. Reaming was then necessary to progress further and the same cave-in problems occurred. It was decided to lay down the stabiliser and increase the KCl% by wt to 6.5 - 7%. This raised the mud weight to 9.7 ppg. Reaming continued through the tight spot, some cement was tagged 1336 m and drilled through. Then, the hole was in good shape so the remaining stands were run to bottom at 2064 m to tag the fish and a high viscosity sweep was pumped.

The pipe was pulled and an attempt was made to run the logs. The logging tool again got hung up at around 1319 m and was worked to 1324 m before efforts were terminated.

It was decided to run 7" casing as a liner to aid in obtaining logs. The casing was run to a depth of 1810 m. It was washed and worked through the difficult zone around 1320 m. The casing was to act as a conduit for the logging tools to get through the tight zones and continue to bottom to log the zones of interest. After running the casing to 1810 m, circulation was established, and then the casing was pulled up to 1494 m. Meanwhile more volume was mixed as pre-mixes and added when convenient. The weight dropped a little to 9.5 ppg but was sufficient for hole stability.

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The logs were then run. It was decided to plug and abandon the well on the 7th August, 2008. The casing was pulled out and open ended drill pipe was run and the cement plugs set.

The rig was released on the 9th August, 2008.

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2. OBSERVATIONS, RECOMMENDATIONS AND WELL ANALYSIS

Blamore #1 was drilled by Hunt Energy #2 rig and completed to a Total Depth of 2128 m on the 7th August, 2008, for a total mud cost of \$83,967.41 or \$39.46 per metre.

The total well mud cost was a lot higher than the programmed cost due to the various problems encountered, mainly the 8½" section

12¼" Surface Hole

This 965 m section was drilled for a mud cost of \$ 13,171.45 or \$13.51 per metre. The extra costs incurred for the section were primarily due to the casing becoming stuck and sweeps being pumped to free the casing prior to cementing.

The section was spudded with a Gel based spud mud, its primary function at that stage being hole cleaning. While drilling at around 90 m, sticky clays were encountered and KCl additions commenced. From that point until section TD, the KCl was maintained at 2 – 4%.

The mud weight rose to a maximum of 9.2 ppg and was at 9.0 ppg at casing point. The yield point was maintained in excess of 22 lbs/100 ft² throughout. The maintenance of good hole cleaning properties in this section is a crucial requirement for the minimisation of tight hole while tripping and running casing.

Fluid loss control was not a requirement in this section as significant sections of sand were not expected.

There were some problems when running the casing. It hung up in various areas but was worked through. This is a typical occurrence while running casing in relatively deep surface holes and is often related to incomplete hole cleaning.

At 960 m it was attempted to circulate the casing but cavings had presumably blocked the shoe. The casing was pulled back two joints and circulation was regained, and the casing was run back to 960 m, where it then became stuck. Working the casing for 12 hours was unsuccessful. After pumping a stuck pipe surfactant (Rod Free), the casing came free after 15 minutes. This would tend to indicate that the casing was differentially stuck, a very rare occurrence in this section of hole.

Changing the mud program to incorporate tight fluid loss control would require the addition of copious amounts of starch – Pac-R would be very much

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recommended against due to its deleterious effects on hole cleaning. In our opinion, the substantial increase in mud cost that this would imply is probably unwarranted given the unlikely chance of differential sticking on surface hole.

8½" Production Hole

This section length was 1066 m and the mud cost was \$70,795.96 or \$61.40 per metre. Many problems including stuck-pipe, washouts, hole caving and logging delays caused the associated drilling fluid costs to be higher than were expected or predicted.

Drilling commenced with a low viscosity KCl PHPA fluid, with polymer additions being made soon after drilling out. Pac-R was added to lower the fluid loss to 7 – 8 cc's and Xanthan Gum was added to increase the yield point to a minimum of 20 lbs/100 ft² for the entire section of hole. KCl levels were maintained at 2.5 – 3.0%, until increased at TD for extra mud weight. PHPA was also added for improved inhibition. After starting at 8.6 ppg, the mud weight increased gradually and was maintained at 9.0 – 9.3 from 1500 m to TD.

Hole conditions were good while drilling and tripping. It was only when tripping for a bit at the eventual TD of 2128 m that hole problems started with the pipe becoming stuck just off bottom while laying out a joint of pipe. Apart from problems with washouts in the drill string, the section of hole between 1300 m to approximately 1500 m also started showing signs of instability. Eventually, 7" casing was run in to 1810 m before being pulled back to 1494 m. It was not cemented – rather it was simply there to successfully allow logging tools to pass through the unstable zone.

The reason/s for the instability in this section of hole are unclear. The inhibitive levels of the mud system were adequate for the area, although for future wells it would be prudent to increase levels of both KCl and PHPA. Often another recommendation would be to increase the yield point, yet it was run at very good levels throughout.

However, the problem could well have been mechanical in nature. It was thought that an unconsolidated siltstone was collapsing. Additionally, large amounts of coal cavings had been seen while drilling through all the way to TD. Ledges may have formed, where cuttings and cavings can accumulate.

Solids Control

The rigs solids control equipment worked well. The 2 DFE linear motion shakers were fitted with 110 mesh screens for the main hole and worked efficiently and the De-silter was used on a permanent basis, to reduce the solids in the mud.



3. INTERVAL COSTS

Product	Interval :		12-1/4" Surface Hole			8-1/2" Production Hole			Total Well Consumption		
	Interval :		0 - 975 m			975 m - 2128 m			0 - 2128 m (TD)		
	Cost	Unit Size	Used	Cost	%Cost	Used	Cost	%Cost	Used	Cost	%Cost
AMC Biocide G	\$ 185.35	25 kg				14	\$2,594.90	3.7%	14	\$2,594.90	3.1%
AMC Pac R	\$ 162.50	25 kg				86	\$13,975.00	19.7%	86	\$13,975.00	16.6%
Aus-Gel	\$ 14.25	25 kg	84	\$1,197.00	9.1%	5	\$71.25	0.1%	89	\$1,268.25	1.5%
Baryte	\$ 8.45	25 kg	1	\$8.45	0.1%	489	\$4,132.05	5.8%	490	\$4,140.50	4.9%
Caustic Soda	\$ 56.00	25 kg	11	\$616.00	4.7%	46	\$2,576.00	3.6%	57	\$3,192.00	3.8%
PHPA	\$ 127.00	25 kg				21	\$2,667.00	3.8%	21	\$2,667.00	3.2%
Potassium Chloride (Tech)	\$ 26.75	25 kg	378	\$10,111.50	76.8%	798	\$21,346.50	30.2%	1176	\$31,458.00	37.5%
Rod-Free	\$ 130.00	25 kg	4	\$520.00	3.9%	4	\$520.00	0.7%	8	\$1,040.00	1.2%
SAPP	\$ 72.76	25 kg				1	\$72.76	0.1%	1	\$72.76	0.1%
Sodium Sulphite	\$ 33.40	25 kg				60	\$2,004.00	2.8%	60	\$2,004.00	2.4%
Xan-Bore	\$ 359.25	25 kg	2	\$718.50	5.5%	58	\$20,836.50	29.4%	60	\$21,555.00	25.7%
Totals :				\$13,171.45	100.0%		\$70,795.96	100.0%		\$83,967.41	100.0%
Cost per Metre :				\$13.51			\$61.40			\$39.46	



4. MATERIALS RECONCILIATION

Previous Well : Ex Adelaide Stores
Well : Blamore # 1
Transferred to : CBM 93-1

PRODUCT	UNIT	TOTAL RECEIVED	TOTAL USED	TRANSFER BALANCE
AMC Biocide	25 kg	32	14	18
AMC Defoamer	25 lt	12		12
AMC Pac R	25 kg	140	86	54
Aus-Gel (Aust)	25 kg	338	89	249
Baryte	25 kg	1280	490	790
Calcium Chloride	25 kg	6	4	2
Caustic Soda	25 kg	96	57	39
Cement	25 kg	348	58	290
Cement	20 kg	36	36	
Lime	20 kg	10		10
PHPA	25 kg	120	21	99
Potassium Chloride (Tech)	25 kg	1638	1176	462
Quickseal Coarse	18.7 kg	60		60
Quikseal F	18.7 kg	60		60
Quikseal M	18.7 kg	60		60
Rod-Free	25 kg	12	8	4
SAPP	25 kg	20	1	19
Soda Ash	25 kg	48		48
Sodium Sulphite	25 kg	90	60	30
Xanthan Gum	25 kg	120	60	60
Xtra-Sweep	5.5 kg	8		8



5. FLUID PROPERTIES SUMMARY

Date	Mud Type	Temp	Depth	Weight	Vis	PV	YP	Gels		Filtrate		Solids				pH	Pf	Mf	Cl-	Ca++	SO3=	K+	KCl
								10 sec	10 min	API	Cake	Solids	Water	Sand	MBT								
5-Jul-08	Spud Mud		110	8.80	31	10	24	4	8			3.1	96.9	0.3		9.0			3,500	400			
			370	9.10	34	10	26	6	10	nc		4.0	96.0	0.2	15.0	9.5			19,000	480		18,914	3.5
6-Jul-08	Spud mud/KCl	35	505	9.20	45	12	26	8	15	nc		5.0	95.0	0.2	9.0			16,000	480		16,212	3.0	
			44	800	9.10	38	12	24	8	14	nc	5.0	95.0	0.2	15.0	9.0	0.20		18,000	480		17,293	3.2
7-Jul-08	Spud mud/KCl	42	975	9.00	37	12	22	6	10	nc		5.0	95.0	0.2	12.5	9.0	0.15	0.20	16,000	400		16,212	3.0
8-Jul-08	Spud mud/KCl	36	975	9.00	36	11	23	5	8	nc		4.0	96.0	tr	10.0	8.5	0.05	0.10	15,000	400		15,131	2.8
9-Jul-08	Spud mud/KCl	34	975	8.70	35	11	22	5	8	nc		3.0	97.0	tr	5.0	8.0	0.01	0.05	12,000	400		10,808	2.0
10-Jul-08	Spud mud/KCl	33	975	8.85	35	9	25	5	9				100.0										
11-Jul-08	Spud mud/KCl		965	8.60	42	12	16	4	8	9.0	1	0.9	99.1		9.0	0.10	1.00	23,000	440	150	18,914	3.5	
12-Jul-08	KCL/Polymer		965	8.60	42	12	16	4	7	9.0	1	1.0	99.0		9.0	0.10	1.00	23,000	400	150	18,914	3.5	
13-Jul-08	KCL/Polymer	31	980	8.60	36	11	14	4	8	8.8	1	2.0	98.0		5.0	9.0	0.10	1.00	21,000	400	120	17,293	3.2
			33	1190	8.80	38	12	20	6	9	8.0		2.5	97.5		5.0	9.0	0.10	1.00	20,000	400	120	16,212
14-Jul-08	KCL/Polymer	35	1283	8.80	38	10	23	6	9	8.0	1	4.0	96.0	0.2	5.0	9.2	0.15	1.10	19,000	400	100	16,212	3.0
			40	1390	8.90	37	11	20	5	8	7.8	1	4.0	96.0	0.2	5.0	9.0	0.10	1.00	17,000	400	100	13,510
15-Jul-08	KCL/Polymer	37	1480	8.90	38	11	22	6	9	8.0	1	4.5	95.5	0.3	5.0	9.2	0.15	1.20	19,500	400	120	16,212	3.0
16-Jul-08	KCL/Polymer	40	1605	9.10	41	11	23	6	10	8.2	1	4.5	95.5	0.3	5.0	8.8	0.05		19,000	360	150	12,970	2.4
			43	1710	9.10	38	10	23	6	11	8.0	1	4.4	95.6	0.2	5.0	8.7	0.05	1.00	19,300	360	150	14,050
17-Jul-08	KCL/Polymer	37	1776	9.20	42	10	26	6	12	8.5	1	5.0	95.0	0.3	7.5	8.7	0.04	0.08	20,000	400	150	13,510	2.5
			38	1776	9.10	42	9	27	6	12	8.0		4.6	95.4	0.3	7.5	8.8	0.05	0.08	20,000	400	150	13,510
18-Jul-08	KCL/Polymer	44	1810	9.10	44	14	20	6	14	7.6	1	4.5	95.5	0.3	7.5	8.7	0.05	0.08	20,000	400	150	13,510	2.5
			45	1899	9.10	40	9	25	6	14	8.0	1	4.5	95.5	0.3	7.5	8.8	0.05	0.09	19,000	360	200	14,050
19-Jul-08	KCL/Polymer		1899	9.10	38	9	25	6	9	8.4	1	4.5	95.5	0.2	5.0	8.7	0.05	0.08	19,000	360	200	14,050	2.6
20-Jul-08	KCL/Polymer		1899	9.00	36	11	14	4	8	8.5	1	3.9	96.1	0.2	5.0	8.7	0.05	0.08	19,000	360	200	14,050	2.6
21-Jul-08	KCL/Polymer	36	1965	9.20	41	11	23	6	9	8.0	1	5.0	95.0	0.3	5.0	9.0	0.10	0.16	17,000	360	200	12,970	2.4
			41	2081	9.10	39	10	23	6	10	7.6	1	4.5	95.5	0.20	5.00	9.0	0.10	0.15	17,000	360	150	12,970
22-Jul-08	KCL/Polymer	42	2128	9.15	40	10	24	6	12	7.2	1	5.1	93.9	0.2	5.0	8.8	0.08	0.12	19,000	360	150	14,050	2.6
23-Jul-08	KCL/Polymer		2128	9.10	38	9	24	6	10	7.0	1	4.8	94.2	0.2	5.0	8.8	0.07	0.10	19,000	360	150	14,050	2.6
24-Jul-08	KCL/Polymer		2128	9.10	37	8	24	5	9	7.0	1	4.8	94.2	0.2	5.0	8.7	0.05	0.10	19,000	360	150	14,050	2.6
25-Jul-08	KCL/Polymer	34	2128	9.00	37	11	19	5	9	7.2	1	4.0	95.0	tr	5.0	8.9	0.08	0.12	20,000	400	200	14,591	2.7
26-Jul-08	KCL/Polymer		2128	9.00	39	11	22	6	10	7.0	1	4.0	95.0	tr	5.0	8.9	0.10	0.13	20,000	400	150	14,591	2.7
27-Jul-08	KCL/Polymer	37	2128	9.10	41	13	19	6	12	6.8	1	4.7	94.3	0.3	5.0	9.0	0.15	0.20	18,000	360	150	13,510	2.5
28-Jul-08	KCL/Polymer	34	2128	9.20	43	12	22	7	14	7.0	1	5.4	93.6	0.3	5.0	8.8	0.10	0.15	18,500	360	120	13,510	2.5
29-Jul-08	KCL/Polymer	43	2128	9.50	41	11	21	6	12	7.2	1	6.9	92.1	0.3	5.0	8.8	0.08	0.14	31,000	440	150	27,020	5.0
30-Jul-08	KCL/Polymer	39	2128	9.60	42	9	24	7	14	6.8	1	7.2	92.8	0.3	5.0	8.9	0.10	0.15	32,000	440	200	28,641	5.3
31-Jul-08	KCL/Polymer	40	2128	9.55	44	11	23	7	14	6.8	1	6.9	93.1	0.3	5.0	9.0	0.10	0.15	31,000	400	200	28,101	5.2
1-Aug-08	KCL/Polymer	37	2128	9.50	41	11	20	6	11	7.0	1	6.6	93.4	0.2	5.0	8.5	0.02	0.05	30,000	440	150	27,560	5.1
2-Aug-08	KCL/Polymer	41	2128	9.35	39	10	21	7	15	7.0	1	5.2	94.8	0.3	5.0	8.3	0.12	0.25	26,500	1000	120	25,939	4.8
			42	2128	9.70	38	10	20	7	14	7.0	1	7.4	92.6	0.3	5.0	9.0	0.10	0.20	37,000	900	100	34,045
3-Aug-08	KCL/Polymer	42	2128	9.70	41	11	21	7	12	6.6	1	7.5	92.5	0.2	5.0	9.0	0.10	0.20	38,000	800	100	34,586	6.4
4-Aug-08	KCL/Polymer		2128	9.70	40	10	22	7	11	7.0	1	7.3	92.7	0.2	5.0	8.8	0.05	0.10	37,000	800	100	34,045	6.3
5-Aug-08	KCL/Polymer	38	2128	9.50	41	12	20	7	13	7.2	1	6.0	94.0	0.2	5.0	8.6	0.05	0.10	33,000	720	100	29,722	5.5
6-Aug-08	KCL/Polymer	39	2128	9.50	40	11	20	6	11	7.4	1	6.1	93.9	0.2	5.0	8.5	0.05	0.10	32,000	720	100	29,722	5.5
7-Aug-08	KCL/Polymer		2128	9.50	40	11	20	6	11	7.4	1	6.1	93.9	0.2	5.0	8.5	0.05	0.10	32,000	720	100	29,722	5.5

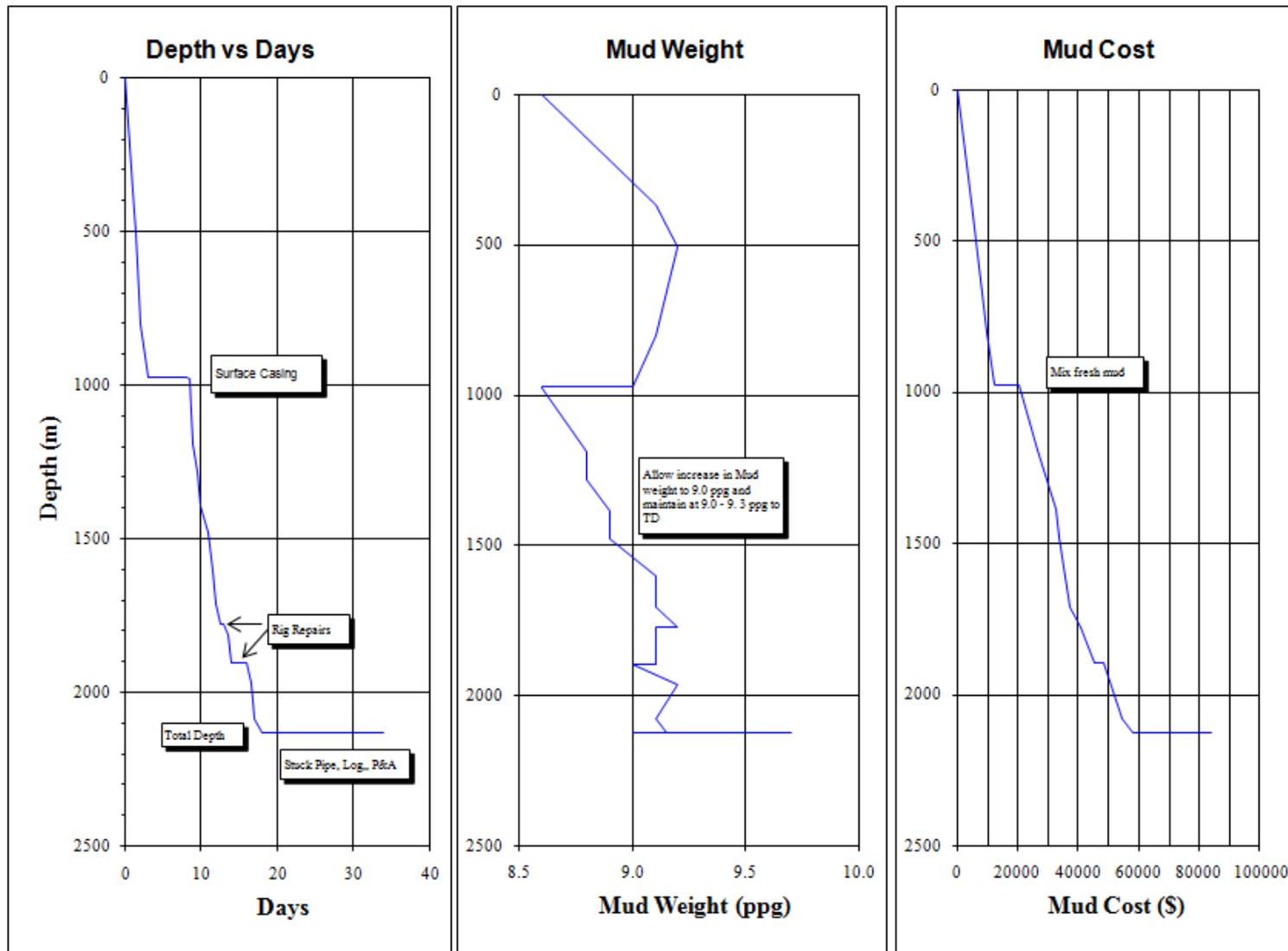


6. Mud Volume Analysis

Date	Hole Size	Interval		Mud Type	Fluid Built & Received					Fluid Disposed					Summary				
		From	To		Fresh Premix	Sump Premix	Direct Recirc	Water	Other	De-sander	De-silter	Centrifuge	Down-hole	Dumped	Other	Initial	Received	Disposed	Final
5-Jul-08	12-1/4"	0 m	408 m	Spud Mud				440		17	31		7			0	440	55	385
6-Jul-08	12-1/4"	408 m	879 m	Spud Mud				450		16	40		17	120		385	450	193	642
7-Jul-08	12-1/4"	879 m	975 m	Spud Mud				245		7	21		75	65		642	245	167	720
8-Jul-08	12-1/4"	975 m	975 m	Spud Mud				120					98	80		720	120	178	662
9-Jul-08	12-1/4"	975 m	975 m	Spud Mud				100					76	20		662	100	96	666
10-Jul-08	12-1/4"	975 m	975 m	Spud Mud									34	350		642	0	384	259
Sub Total					0	0	0	1355	0	40	91	0	306	635	0	1355	1072		
11-Jul-08	8-1/2"	975 m	975 m	KCl Polymer				310					8			259	310	8	561
12-Jul-08	8-1/2"	975 m	975 m	KCl Polymer									0			561	0	0	561
13-Jul-08	8-1/2"	975 m	1215 m	KCl Polymer				150		1	22		35	20	55	561	150	133	578
14-Jul-08	8-1/2"	1215 m	1402 m	KCl Polymer				175			45		23	32	21	578	175	120	633
15-Jul-08	8-1/2"	1402 m	1530 m	KCl Polymer				80			7		34	22	20	633	80	83	630
16-Jul-08	8-1/2"	1530 m	1729 m	KCl Polymer				160			69		18	36		630	160	123	667
17-Jul-08	8-1/2"	1729 m	1766 m	KCl Polymer	90								27	25	10	667	90	62	695
18-Jul-08	8-1/2"	1766 m	1899 m	KCl Polymer	125						51		14	35	6	695	125	107	713
19-Jul-08	8-1/2"	1899 m	1899 m	KCl Polymer									15		5	713	0	20	693
20-Jul-08	8-1/2"	1899 m	1920 m	KCl Polymer	50			15					6	15		693	65	21	738
21-Jul-08	8-1/2"	1920 m	2099 m	KCl Polymer	200						48		5	88	35	738	200	176	762
22-Jul-08	8-1/2"	2099 m	2128 m	KCl Polymer	150			10			21		31	82	35	762	160	170	752
23-Jul-08	8-1/2"	2128 m	2128 m	KCl Polymer	50								30	25	10	752	50	65	736
24-Jul-08	8-1/2"	2128 m	2128 m	KCl Polymer				33					26		12	736	33	38	731
25-Jul-08	8-1/2"	2128 m	2128 m	KCl Polymer	40								22		4	731	40	26	746
26-Jul-08	8-1/2"	2128 m	2128 m	KCl Polymer				20					18		22	746	20	40	726
27-Jul-08	8-1/2"	2128 m	2128 m	KCl Polymer	40			20			17		20		12	726	60	49	736
28-Jul-08	8-1/2"	2128 m	2128 m	KCl Polymer	40								24	12	25	736	40	61	716
29-Jul-08	8-1/2"	2128 m	2128 m	KCl Polymer	40			45			19		20	20	31	716	85	90	711
30-Jul-08	8-1/2"	2128 m	2128 m	KCl Polymer	40			35			17		21	15		711	75	53	733
31-Jul-08	8-1/2"	2128 m	2128 m	KCl Polymer	40			33			23		42			733	73	65	741
1-Aug-08	8-1/2"	2128 m	2128 m	KCl Polymer				65					33	35		741	65	68	738
2-Aug-08	8-1/2"	2128 m	2128 m	KCl Polymer	30						3		34	30		738	30	67	701
3-Aug-08	8-1/2"	2128 m	2128 m	KCl Polymer	40			45					51		22	701	85	73	713
4-Aug-08	8-1/2"	2128 m	2128 m	KCl Polymer	40								42			713	40	42	711
5-Aug-08	8-1/2"	2128 m	2128 m	KCl Polymer	40			30					40		60	711	70	100	681
6-Aug-08	8-1/2"	2128 m	2128 m	KCl Polymer				40					33		25	681	40	58	662
7-Aug-08	8-1/2"	2128 m	2128 m	KCl Polymer									220			662	0	220	442
Sub Total					1055	0	0	1266	0	1	343	0	892	492	410		2321	2138	
Well Total					1055	0	0	2621	0	41	434	0	1198	1127	410		3676	3210	

Dilution Factors			
	Interval Length	Dilution Vol	Dilution Factor
12 1/4" Surface Hole	975 m	1305 bbls	1.3 bbls/m
8 1/2" Hole	2128 m	2011 bbls	0.9 bbls/m

7. Graphs





8. DAILY DRILLING FLUIDS REPORTS



DRILLING FLUID REPORT



Report #	2	Date :	6-Jul-2008
Rig No	2	Spud :	5th July, 2008
Depth	408	to	879 Metres

OPERATOR	Central Petroleum Limited	CONTRACTOR	Hunt Energy
REPORT FOR	Juris Ozolins	REPORT FOR	Brian Yates
WELL NAME AND No	Blamore #1	FIELD	EP93
		LOCATION	Pedirka Basin
		STATE	Northern Territory

DRILLING ASSEMBLY		JET SIZE		CASING		MUD VOLUME (BBL)		CIRCULATION DATA				
BIT SIZE	TYPE	16	16	16	SURFACE SET @	ft	HOLE	PITS	PUMP SIZE		CIRCULATION PRESS (PSI)	
12.25	JST11XC	14			M		392	250	16	X	5.5	900
DRILL PIPE SIZE	TYPE	Length			INTERMEDIATE SET @	ft	TOTAL CIRCULATING VOL.		PUMP MODEL	ASSUMED EFF	BOTTOMS UP (min)	
4.5	#	710	Mtrs		M		642		EMSCO/TSM	97	%	26
DRILL PIPE SIZE	TYPE	Length			PRODUCTION. or LINER Set @	ft	IN STORAGE		BBL/STK	STK /MIN	TOTAL CIRC. TIME (min)	
4.50	HW	54	Mtrs		M				0.1335	110	45	
DRILL COLLAR SIZE (")	Length				MUD TYPE			BBL/MIN	GAL / MIN	ANN VEL.	DP	113
6.25	8.00	93	22	Mtrs	Spud mud/KCl			14.24	598	(ft/min)	DCs	132 170 Lam

SAMPLE FROM		MUD PROPERTIES		MUD PROPERTY SPECIFICATIONS					
TIME SAMPLE TAKEN		pit	pit	Mud Weight	alap	API Filtrate	n/c		
DEPTH (ft) - (m)		Metres	505	800	Plastic Vis	Yield Point	HPHT Filtrate		
FLOWLINE TEMPERATURE		⁰ C / ⁰ F	35	44	KCl	2-4%	PHPA		
WEIGHT		ppg / SG	9.20	1.104	9.10	1.092	Sulphites		
FUNNEL VISCOSITY (sec/qt) API @		⁰ C	45	38	OBSERVATIONS Add water continuously for dilution. Dump sand trap regularly. Maintain 3.5% KCl by wt. Drilling claystone. Change 2x84 mesh screen				
PLASTIC VISCOSITY cP @		⁰ C	12	12					
YIELD POINT (lb/100ft ²)			26	24					
GEL STRENGTHS (lb/100ft ²) 10 sec/10 min			8.15	8.14					
RHEOLOGY θ 600 / θ 300			50	38				48	36
RHEOLOGY θ 200 / θ 100			28	24				28	22
RHEOLOGY θ 6 / θ 3			10	6				10	6
FILTRATE API (cc's/30 min)			nc	nc					
HPHT FILTRATE (cc's/30 min) @		⁰ F							
CAKE THICKNESS API : HPHT (32nd in)									
SOLIDS CONTENT (% by Volume)			5.0	5.0	OPERATIONS SUMMARY Drill ahead taking surveys.				
LIQUID CONTENT (% by Volume) OIL/WATER			95.0	95.0					
SAND CONTENT (% by Vol.)			0.20	0.20					
METHYLENE BLUE CAPACITY (ppb equiv.)				15.0					
pH			9.0	9.0					
ALKALINITY MUD (Pm)				0					
ALKALINITY FILTRATE (Pf / Mf)				0.20					
CHLORIDE (mg/L)			16,000	18,000					
TOTAL HARDNESS AS CALCIUM (mg/L)			480	480					
SULPHITE (mg/L)									
K+ (mg/L)			15,750	16,800					
KCl (% by Wt.)			3.0	3.2					
PHPA (ppb)									
ECD (ppg)			9.40	9.40					

Mud Accounting (bbls)				Solids Control Equipment									
FLUID BUILT & RECEIVED		FLUID DISPOSED		SUMMARY		Type	Hrs	Cones	Hrs	Size	Hrs		
Premix (drill water)		Desander	16	INITIAL VOLUME	385	Centrifuge		Desander	2	22	Shaker #1	3 x 84	24
Premix (recirc from sump)		Desilter	40	+ FLUID RECEIVED	450	Degasser		Desilter	12	20	Shaker #2	2 x 84, 1x110	24
Drill Water	450	Downhole	17			- FLUID LOST	193						
Direct Recirc Sump		Dumped	120	+ FLUID IN STORAGE				Overflow (ppg)	Underflow (ppg)	Output (Gal/Min.)			
Other (eg Diesel)		Other				Desander	9.5	8.6	0.50				
TOTAL RECEIVED	450	TOTAL LOST	193	FINAL VOLUME	642	Desilter	11.5	8.7	1.40				

Product	Price	Start	Received	Used	Close	Cost	Solids Analysis		Bit Hydraulics & Pressure Data		
Caustic Soda	\$ 56.00	61		5	56	\$ 280.00	%	PPB	Jet Velocity	259	
Potassium Chloride (Tel)	\$ 26.75	630		168	462	\$ 4,494.00	High Grav solids		Impact force	730	
							Total LGS	4.5	42.5	HHP	191
							Bentonite	1.3	12.0	HSI	1.6
							Drilled Solids	3.2	28.8	Bit Press Loss	549
							Salt	1.1	10.4	CSG Seat Frac Press	
							n @ 2000 Hrs	0.41	Equiv. Mud Wt.		
							K @ 2000 Hrs	13.85	Max Pressure @ Shoe :		
							DAILY COST		CUMULATIVE COST		
							\$4,774.00		\$9,568.15		

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DRILLING FLUID REPORT



Report #	3	Date :	7-Jul-2008
Rig No	2	Spud :	5th July, 2008
Depth	879	to	975 Metres

OPERATOR	Central Petroleum Limited	CONTRACTOR	Hunt Energy
REPORT FOR	Juris Ozolins	REPORT FOR	Brian Yates
WELL NAME AND No	Blamore #1	FIELD	EP93
		LOCATION	Pedirka Basin
		STATE	Northern Territory

DRILLING ASSEMBLY		JET SIZE		CASING		MUD VOLUME (BBL)		CIRCULATION DATA								
BIT SIZE	TYPE	16	16	16	SURFACE	ft	HOLE	PITS		PUMP SIZE		CIRCULATION				
12.25	JST11XC	14			SET @	M	440	280		16	X	5.5	Inches	PRESS (PSI)	950	psi
DRILL PIPE SIZE	TYPE	Length			INTERMEDIATE	ft	TOTAL CIRCULATING VOL.		PUMP MODEL	ASSUMED EFF	BOTTOMS					
4.5	#	828	Mtrs		SET @	M	720		EMSCO/TSM	97	%	UP (min)	31	min		
DRILL PIPE SIZE	TYPE	Length			PRODUCTION. or	ft	IN STORAGE		BBL/STK	STK /MIN	TOTAL CIRC.					
4.50	HW	54	Mtrs		LINER Set @	M			0.1335	104	TIME (min)		53	min		
DRILL COLLAR SIZE (")	Length			MUD TYPE					BBL/MIN	GAL / MIN	ANN VEL.	DP	107	Lam		
6.25	8.00	93	Mtrs		Spud mud/KCl					13.47	566	(ft/min)	DCs	125 161 Lam		

SAMPLE FROM		MUD PROPERTIES		MUD PROPERTY SPECIFICATIONS					
TIME SAMPLE TAKEN		pit	pit	Mud Weight	alap	API Filtrate	n/c	HPHT Filtrate	
DEPTH (ft) - (m)	Metres		0900	Plastic Vis		Yield Point		pH	9
FLOWLINE TEMPERATURE	⁰ C ⁰ F		975	KCl	2-4%	PHPA		Sulphites	
WEIGHT	ppg / SG		42	OBSERVATIONS Dump and Dilute to maintain volume and properties.					
FUNNEL VISCOSITY (sec/qt) API @	⁰ C		9.00 1.080						
PLASTIC VISCOSITY cP @	⁰ C		37						
YIELD POINT (lb/100ft ²)			12						
GEL STRENGTHS (lb/100ft ²) 10 sec/10 min			22						
RHEOLOGY Ø 600 / Ø 300			6 10						
RHEOLOGY Ø 200 / Ø 100			46 34						
RHEOLOGY Ø 6 / Ø 3			24 20						
FILTRATE API (cc's/30 min)			8 5						
HPHT FILTRATE (cc's/30 min) @	⁰ F		nc						
CAKE THICKNESS API : HPHT (32nd in)									
SOLIDS CONTENT (% by Volume)			5.0						
LIQUID CONTENT (% by Volume) OIL/WATER			95.0						
SAND CONTENT (% by Vol.)			0.20						
METHYLENE BLUE CAPACITY (ppb equiv.)			12.5						
pH			9.0						
ALKALINITY MUD (Pm)			0						
ALKALINITY FILTRATE (Pf / Mf)			0.15 0.20						
CHLORIDE (mg/L)			16,000						
TOTAL HARDNESS AS CALCIUM (mg/L)			400						
SULPHITE (mg/L)									
K+ (mg/L)			15,750						
KCl (% by Wt.)			3.0						
PHPA (ppb)									
ECD (ppg)			9.20						

Mud Accounting (bbls)				Solids Control Equipment									
FLUID BUILT & RECEIVED		FLUID DISPOSED		SUMMARY		Type	Hrs	Cones	Hrs	Size	Hrs		
Premix (drill water)		Desander	7	INITIAL VOLUME	642	Centrifuge		Desander	2	12	Shaker #1	3 x 84	14
Premix (recirc from sump)		Desilter	21	+ FLUID RECEIVED	245	Degasser		Desilter	12	12	Shaker #2	2 x 84, 1x110	14
Drill Water	245	Downhole	75			- FLUID LOST	167						
Direct Recirc Sump		Dumped	65	+ FLUID IN STORAGE				Overflow (ppg)	Underflow (ppg)	Output (Gal/Min.)			
Other (eg Diesel)		Other				Desander	9.3		8.6	0.40			
TOTAL RECEIVED	245	TOTAL LOST	167	FINAL VOLUME	720	Desilter	11.2		8.7	1.20			

Product	Price	Start	Received	Used	Close	Cost	Solids Analysis			Bit Hydraulics & Pressure Data		
Baryte	\$ 8.45	800		1	799	\$ 8.45		%	PPB	Jet Velocity	245	
Caustic Soda	\$ 56.00	56		3	53	\$ 168.00	High Grav solids			Impact force	646	
Potassium Chloride (Te	\$ 26.75	462		84	378	\$ 2,247.00	Total LGS	3.8	36.0	HHP	160	
							Bentonite	1.1	9.9	HSI	1.4	
							Drilled Solids	2.7	24.7	Bit Press Loss	485	
							Salt	1.0	9.3	CSG Seat Frac Press		
							n @ 0900 Hrs	0.44		Equiv. Mud Wt.		
							K @ 0900 Hrs	11.47		Max Pressure @ Shoe :		
							DAILY COST			CUMULATIVE COST		
							\$2,423.45			\$11,991.60		

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DRILLING FLUID REPORT



Report #	20	Date :	24-Jul-2008
Rig No	2	Spud :	5th July, 2008
Depth	2128	to	2128 Metres

OPERATOR	Central Petroleum Limited	CONTRACTOR	Hunt Energy
REPORT FOR	Juris Ozolins	REPORT FOR	Damien Schultz
WELL NAME AND No	Blamore #1	FIELD	EP93
		LOCATION	Pedirka Basin
		STATE	Northern Territory

DRILLING ASSEMBLY		JET SIZE		CASING		MUD VOLUME (BBL)		CIRCULATION DATA								
BIT SIZE	TYPE	12	12	12	9 5/8 SURFACE SET @	3166 ft	965 M	HOLE	450	PITS	280	PUMP SIZE		CIRCULATION PRESS (PSI)		
8.50	JTC44D											16	X	5.5	Inches	psi
DRILL PIPE SIZE	TYPE	Length		INTERMEDIATE SET @		TOTAL CIRCULATING VOL.		PUMP MODEL		ASSUMED EFF		BOTTOMS UP (min)				
4.5	#	1942 Mtrs		M		755		EMSCO/TSM		97 %		min				
DRILL PIPE SIZE	TYPE	Length		PRODUCTION or LINER Set @		IN STORAGE		BBL/STK		STK /MIN		TOTAL CIRC. TIME (min)				
4.50	HW	54 Mtrs		M		25		0.1335				min				
DRILL COLLAR SIZE (")		Length		MUD TYPE				BBL/MIN		GAL / MIN		ANN VEL. (ft/min)		DP	Lam	
6.25		132 Mtrs		KCL/Polymer											Lam	

SAMPLE FROM		MUD PROPERTIES		MUD PROPERTY SPECIFICATIONS											
TIME SAMPLE TAKEN		pit		Mud Weight		8.8-9.2		API Filtrate		<8		HPHT Filtrate			
DEPTH (ft) - (m)		Metres		Plastic Vis		Yield Point		pH		9		KCl		2-4%	
FLOWLINE TEMPERATURE		°C °F		KCl		PHPA		0.50 ppb		Sulphites		100			
WEIGHT		ppg / SG		9.10		1.092		OBSERVATIONS Seepage loss 1-1.5 bbls/hr Mix small premix for volume							
FUNNEL VISCOSITY (sec/qt) API @		°C		37											
PLASTIC VISCOSITY cP @		°C		8											
YIELD POINT (lb/100ft ²)				24											
GEL STRENGTHS (lb/100ft ²) 10 sec/10 min				5.9											
RHEOLOGY Ø 600 / Ø 300				40 32											
RHEOLOGY Ø 200 / Ø 100				23 17											
RHEOLOGY Ø 6 / Ø 3				8 4											
FILTRATE API (cc's/30 min)				7.0											
HPHT FILTRATE (cc's/30 min) @		°F													
CAKE THICKNESS API : HPHT (32nd in)				1											
SOLIDS CONTENT (% by Volume)		0.0		4.8											
LIQUID CONTENT (% by Volume) OIL/WATER				1.0 94.2											
SAND CONTENT (% by Vol.)				0.20											
METHYLENE BLUE CAPACITY (ppb equiv.)				5.0											
pH				8.7											
ALKALINITY MUD (Pm)															
ALKALINITY FILTRATE (Pf / Mf)				0.05 0.10											
CHLORIDE (mg/L)				19,000											
TOTAL HARDNESS AS CALCIUM (mg/L)				360											
SULPHITE (mg/L)				150											
K+ (mg/L)				13,650											
KCl (% by Wt.)				2.6											
PHPA (ppb)		0.29		0.27											
ECD (ppg)				9.50											

OPERATIONS SUMMARY		Rig up wireline to establish back-off point at 900.8m.	
		Suspected wash out not located.	
		RIH stands with Kelly cock blocking off. Pressure test every 10 stands.	
		Wash out not found. POH.	

Mud Accounting (bbls)				Solids Control Equipment								
FLUID BUILT & RECEIVED		FLUID DISPOSED		SUMMARY		Type	Hrs	Cones	Hrs	Size	Hrs	
Premix (drill water)		Desander		INITIAL VOLUME	760	Centrifuge		Desander	2	Shaker #1	3 x 110	22
Premix (recirc from sump)		Desilter				Degasser		Desilter	12	Shaker #2	3x110	24
Drill Water	33	Downhole	26	+ FLUID RECEIVED	33							
Direct Recirc Sump		Dumped		- FLUID LOST	38							
Other (eg Diesel)		Other	12	+ FLUID IN STORAGE	25			Overflow (ppg)	Underflow (ppg)	Output (Gal/Min.)		
TOTAL RECEIVED	33	TOTAL LOST	38	FINAL VOLUME	780	Desander			0			
						Desilter			0			

Product	Price	Start	Received	Used	Close	Cost	Solids Analysis		Bit Hydraulics & Pressure Data			
Potassium Chloride (Tel)	\$ 26.75	836		20	816	\$ 535.00	%	PPB	Jet Velocity			
Sodium Sulphite	\$ 33.40	40		2	38	\$ 66.80	High Grav solids	0.0	0.59	Impact force		
							Total LGS	4.7	44.9	HHP		
							Bentonite	0.0	0.3	HSI		
							Drilled Solids	4.7	42.8	Bit Press Loss		
							Salt	1.1	11.0	CSG Seat Frac Press		
							n @ 1500 Hrs	0.32		Equiv. Mud Wt.		
							K @ 1500 Hrs	21.99		Max Pressure @ Shoe :		
							DAILY COST		CUMULATIVE COST			
							\$601.80		\$60,333.80			

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DRILLING FLUID REPORT



Report #	21	Date :	25-Jul-2008
Rig No	2	Spud :	5th July, 2008
Depth	2128	to	2128 Metres

OPERATOR	Central Petroleum Limited	CONTRACTOR	Hunt Energy
REPORT FOR	Juris Ozolins	REPORT FOR	Damien Schultz
WELL NAME AND No	Blamore #1	FIELD	EP93
		LOCATION	Pedirka Basin
		STATE	Northern Territory

DRILLING ASSEMBLY		JET SIZE		CASING		MUD VOLUME (BBL)		CIRCULATION DATA				
BIT SIZE	TYPE	12	12	12	9 5/8 SURFACE SET @	3166 ft	450	280	PUMP SIZE		CIRCULATION PRESS (PSI)	
8.50	JTC44D				965 M				16 X 5.5	Inches	1080 psi	
DRILL PIPE SIZE	TYPE	Length		INTERMEDIATE SET @	ft	TOTAL CIRCULATING VOL.	PUMP MODEL		EMSCO/TSM	ASSUMED EFF	BOTTOMS UP (min)	
4.5	#	1942 Mtrs			M	765				97 %	75 min	
DRILL PIPE SIZE	TYPE	Length		PRODUCTION. or LINER Set @	ft	IN STORAGE	BBL/STK			STK /MIN	TOTAL CIRC. TIME (min)	
4.50	HW	54 Mtrs			M	35	0.1335			41	144 min	
DRILL COLLAR SIZE (")		Length		MUD TYPE			BBL/MIN			GAL / MIN	ANN VEL. (ft/min)	DP
6.25		132 Mtrs		KCL/Polymer			5.31			223		105
											DCs	165

SAMPLE FROM		MUD PROPERTIES		MUD PROPERTY SPECIFICATIONS			
TIME SAMPLE TAKEN		pit	fl	Mud Weight	8.8-9.2	API Filtrate	<8
DEPTH (ft) - (m)		2,128		Plastic Vis		Yield Point	
FLOWLINE TEMPERATURE		34		KCl	2-4%	PHPA	0.50 ppb
WEIGHT		ppg / SG	9.00 1.080	OBSERVATIONS			
FUNNEL VISCOSITY (sec/qt) API @		37		Adjust pH. Add biocide and sulphite.			
PLASTIC VISCOSITY cP @		11		Build premix.			
YIELD POINT (lb/100ft ²)		19		Adjust rheology.			
GEL STRENGTHS (lb/100ft ²) 10 sec/10 min		5.9					
RHEOLOGY Ø 600 / Ø 300		41	30				
RHEOLOGY Ø 200 / Ø 100		20	18				
RHEOLOGY Ø 6 / Ø 3		8	5				
FILTRATE API (cc's/30 min)		7.2					
HPHT FILTRATE (cc's/30 min) @							
CAKE THICKNESS API : HPHT (32nd in)		1					
SOLIDS CONTENT (% by Volume)		0.0	4.0				
LIQUID CONTENT (% by Volume) OIL/WATER		1.0	95.0	OPERATIONS SUMMARY			
SAND CONTENT (% by Vol.)		tr		Remove kelly cock from btm stand.			
METHYLENE BLUE CAPACITY (ppb equiv.)		5.0		Slip/cut.			
pH		8.9		RIH and screw into fish. Circ btms up.			
ALKALINITY MUD (Pm)				Drop carbide. Suspect washout 750-850m.			
ALKALINITY FILTRATE (Pf / Mf)		0.08	0.12	Run wireline establish free point.			
CHLORIDE (mg/L)		20,000		Run wireline to back off point 2064m. Miss-fire. Try again			
TOTAL HARDNESS AS CALCIUM (mg/L)		400					
SULPHITE (mg/L)		200					
K+ (mg/L)		14,175					
KCl (% by Wt.)		2.7					
PHPA (ppb)		0.27	0.25				
ECD (ppg)		9.30					

Mud Accounting (bbls)				Solids Control Equipment							
FLUID BUILT & RECEIVED		FLUID DISPOSED		SUMMARY		Type	Hrs	Cones	Hrs	Size	Hrs
Premix (drill water)	40	Desander		INITIAL VOLUME	751	Centrifuge		Desander	2	Shaker #1	3 x 110
Premix (recirc from sump)		Desilter				Degasser		Desilter	12	Shaker #2	3x110
Drill Water		Downhole	22	+ FLUID RECEIVED	40						
Direct Recirc Sump		Dumped		- FLUID LOST	26						
Other (eg Diesel)		Other	4	+ FLUID IN STORAGE	35						
TOTAL RECEIVED	40	TOTAL LOST	26	FINAL VOLUME	800			Overflow (ppg)	Underflow (ppg)	Output (Gal/Min.)	
						Desander			0		
						Desilter			0		

Product	Price	Start	Received	Used	Close	Cost	Solids Analysis			Bit Hydraulics & Pressure Data			
AMC Biocide	\$ 185.35	24		1	23	\$ 185.35	%	PPB	Jet Velocity	215			
Caustic Soda	\$ 56.00	48		1	47	\$ 56.00	High Grav solids	0.0	0.54	Impact force	224		
Potassium Chloride (Te)	\$ 26.75	816		18	798	\$ 481.50	Total LGS	4.0	37.9	HHP	49		
Sodium Sulphite	\$ 33.40	38		3	35	\$ 100.20	Bentonite	0.1	1.1	HSI	0.9		
							Drilled Solids	3.9	35.3	Bit Press Loss	375		
							Salt	1.2	11.6	CSG Seat Frac Press			
							n @ 0900 Hrs	0.45		Equiv. Mud Wt.			
							K @ 0900 Hrs	9.24		Max Pressure @ Shoe :			
							DAILY COST			CUMULATIVE COST			
							\$823.05			\$61,156.85			

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DRILLING FLUID REPORT



Report #	22	Date :	26-Jul-2008
Rig No	2	Spud :	5th July, 2008
Depth	2128	to	2128 Metres

OPERATOR	Central Petroleum Limited	CONTRACTOR	Hunt Energy
REPORT FOR	Juris Ozolins	REPORT FOR	Damien Schultz
WELL NAME AND No	Blamore #1	FIELD	EP93
		LOCATION	Pedirka Basin
		STATE	Northern Territory

DRILLING ASSEMBLY		JET SIZE		CASING		MUD VOLUME (BBL)		CIRCULATION DATA						
BIT SIZE	TYPE			9 5/8	SURFACE SET @	3166	ft	HOLE	PITS	PUMP SIZE		CIRCULATION PRESS (PSI)		
8.50	Reed43D				965	M		450	260	16	X	5.5	Inches	psi
DRILL PIPE SIZE	TYPE	Length		INTERMEDIATE SET @	ft			TOTAL CIRCULATING VOL.		PUMP MODEL	ASSUMED EFF	BOTTOMS UP (min)		
4.5	#	1942	Mtrs		M			745		EMSCO/TSM	97	%	min	
DRILL PIPE SIZE	TYPE	Length		PRODUCTION. or LINER Set @	ft			IN STORAGE		BBL/STK	STK /MIN	TOTAL CIRC. TIME (min)		
4.50	HW	54	Mtrs		M			35		0.1335		min	min	
DRILL COLLAR SIZE (")	Length			MUD TYPE						BBL/MIN	GAL / MIN	ANN VEL. (ft/min)	DP DCs	Lam Lam
6.25	132		Mtrs	KCL/Polymer										

SAMPLE FROM		MUD PROPERTIES		MUD PROPERTY SPECIFICATIONS			
TIME SAMPLE TAKEN		fl	fl	Mud Weight	8.8-9.2	API Filtrate	<8
DEPTH (ft) - (m)	Metres		2,128	Plastic Vis		Yield Point	
FLOWLINE TEMPERATURE	⁰ C ⁰ F			KCl	2-4%	PHPA	0.50 ppb
WEIGHT	ppg / SG		9.00	HPHT Filtrate		pH	9
FUNNEL VISCOSITY (sec/qt) API @	⁰ C		39			Sulphites	100
PLASTIC VISCOSITY cP @	⁰ C		11	OBSERVATIONS No treatment.			
YIELD POINT (lb/100ft ²)			22				
GEL STRENGTHS (lb/100ft ²) 10 sec/10 min			6 10				
RHEOLOGY Ø 600 / Ø 300			44 33				
RHEOLOGY Ø 200 / Ø 100			22 18				
RHEOLOGY Ø 6 / Ø 3			8 5				
FILTRATE API (cc's/30 min)			7.0				
HPHT FILTRATE (cc's/30 min) @	⁰ F						
CAKE THICKNESS API : HPHT (32nd in)			1				
SOLIDS CONTENT (% by Volume)		0.0	4.0				

LIQUID CONTENT (% by Volume) OIL/WATER			1.0	95.0	OPERATIONS SUMMARY Back off at 2064-2065m POH wet, Wash out found at 50 stands 937m Test BOP's L/D DP P/U Drill Collars RIH			
SAND CONTENT (% by Vol.)			tr					
METHYLENE BLUE CAPACITY (ppb equiv.)			5.0					
pH			8.9					
ALKALINITY MUD (Pm)								
ALKALINITY FILTRATE (Pf / Mf)			0.10	0.13				
CHLORIDE (mg/L)			20,000					
TOTAL HARDNESS AS CALCIUM (mg/L)			400					
SULPHITE (mg/L)			150					
K+ (mg/L)			14,175					
KCl (% by Wt.)			2.7					
PHPA (ppb)		0.25	0.24					
ECD (ppg)			9.30					

Mud Accounting (bbls)					Solids Control Equipment							
FLUID BUILT & RECEIVED		FLUID DISPOSED		SUMMARY		Type	Hrs	Cones	Hrs	Size	Hrs	
Premix (drill water)		Desander		INITIAL VOLUME	765	Centrifuge		Desander	2	Shaker #1	3 x 110	12
Premix (recirc from sump)		Desilter				Degasser		Desilter	12	Shaker #2	3x110	12
Drill Water	20	Downhole	18	+ FLUID RECEIVED	20							
Direct Recirc Sump		Dumped		- FLUID LOST	40							
Other (eg Diesel)		Other	22	+ FLUID IN STORAGE	35			Overflow (ppg)	Underflow (ppg)	Output (Gal/Min.)		
TOTAL RECEIVED	20	TOTAL LOST	40	FINAL VOLUME	780	Desander			0			
						Desilter			0			

Product	Price	Start	Received	Used	Close	Cost	Solids Analysis		Bit Hydraulics & Pressure Data			
							%	PPB	Jet Velocity			
							High Grav solids	0.0	0.52	Impact force		
							Total LGS	4.0	37.9	HHP		
							Bentonite	0.1	1.1	HSI		
							Drilled Solids	3.9	35.3	Bit Press Loss		
							Salt	1.2	11.6	CSG Seat Frac Press		
							n @ Hrs	0.41		Equiv. Mud Wt.		
							K @ Hrs	12.69		Max Pressure @ Shoe :		
							DAILY COST		CUMULATIVE COST			
									\$61,156.85			

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DRILLING FLUID REPORT



Report #	29	Date :	2-Aug-2008
Rig No	2	Spud :	5th July, 2008
Depth	2128	to	2128 Metres

OPERATOR	Central Petroleum Limited	CONTRACTOR	Hunt Energy
REPORT FOR	Juris Ozolins	REPORT FOR	Brian Yates
WELL NAME AND No	Blamore #1	FIELD	EP93
		LOCATION	Pedirka Basin
		STATE	Northern Territory

DRILLING ASSEMBLY		JET SIZE		CASING		MUD VOLUME (BBL)		CIRCULATION DATA			
BIT SIZE	TYPE	12	12	12	9 5/8 SURFACE SET @	3166 ft	450	PUMP SIZE		CIRCULATION PRESS (PSI)	
8.50	JTC44D				965 M		245	16 X 5.5	Inches	980 psi	
DRILL PIPE SIZE	TYPE	Length		INTERMEDIATE SET @	ft	TOTAL CIRCULATING VOL.		PUMP MODEL	ASSUMED EFF	BOTTOMS UP (min)	
4.5	#	1942 Mtrs			M	720		EMSCO/TSM	97 %	52 min	
DRILL PIPE SIZE	TYPE	Length		PRODUCTION. or LINER Set @	ft	IN STORAGE		BBL/STK	STK /MIN	TOTAL CIRC. TIME (min)	
4.50	HW	54 Mtrs			M	25		0.1335	59	94 min	
DRILL COLLAR SIZE (")		Length		MUD TYPE				BBL/MIN	GAL /MIN	ANN VEL. (ft/min)	DP DCs
6.25		132 Mtrs		KCL/Polymer				7.64	321	151	Lam Lam

SAMPLE FROM				MUD PROPERTIES				MUD PROPERTY SPECIFICATIONS									
TIME SAMPLE TAKEN				1100		2000		Mud Weight	8.8-9.2	API Filtrate	<8	HPHT Filtrate					
DEPTH (ft) - (m)				2,128		2,128		Plastic Vis		Yield Point		pH	9				
FLOWLINE TEMPERATURE				41		42		KCl	2-4%	PHPA	0.50 ppb	Sulphites	100				
WEIGHT				9.35		1.122		OBSERVATIONS Dump some contaminated mud. Raise rheology. Add premix. Slug POOH. RIH raise KCl % by wt. to 6.0% +									
FUNNEL VISCOSITY (sec/qt) API @				39		38											
PLASTIC VISCOSITY cP @				10		10											
YIELD POINT (lb/100ft ²)				21		20											
GEL STRENGTHS (lb/100ft ²) 10 sec/10 min				7.15		7.14											
RHEOLOGY Ø 600 / Ø 300				41		31								40		30	
RHEOLOGY Ø 200 / Ø 100				21		16								20		16	
RHEOLOGY Ø 6 / Ø 3				11		6								10		6	
FILTRATE API (cc's/30 min)				7.0		7.0											
HPHT FILTRATE (cc's/30 min) @																	
CAKE THICKNESS API : HPHT (32nd in)				1		1											
SOLIDS CONTENT (% by Volume)				5.2		7.4		OPERATIONS SUMMARY At 1300+m run in slowly . Tag cmt/formation Circ. Some cmt returns. Some contaminated mud. Very little hard cmt. Circ and ream down. POH lay down stabilizer RIH to 1302m. Ream									
LIQUID CONTENT (% by Volume) OIL/WATER				94.8		92.6											
SAND CONTENT (% by Vol.)				0.25		0.25											
METHYLENE BLUE CAPACITY (ppb equiv.)				5.0		5.0											
pH				8.3		9.0											
ALKALINITY MUD (Pm)																	
ALKALINITY FILTRATE (Pf / Mf)				0.12		0.25								0.10		0.20	
CHLORIDE (mg/L)				26,500		37,000											
TOTAL HARDNESS AS CALCIUM (mg/L)				1000		900											
SULPHITE (mg/L)				120		100											
K+ (mg/L)				25,200		33,075											
KCl (% by Wt.)				4.8		6.3											
PHPA (ppb)				0.10		0.10											
ECD (ppg)				9.90													

Mud Accounting (bbls)						Solids Control Equipment					
FLUID BUILT & RECEIVED		FLUID DISPOSED		SUMMARY		Type	Hrs	Cones	Hrs	Size	Hrs
Premix (drill water)	30	Desander		INITIAL VOLUME	757	Centrifuge		Desander	2	Shaker #1	3 x 110
Premix (recirc from sump)		Desilter	3			Degasser		Desilter	12	Shaker #2	3x110
Drill Water		Downhole	34	+ FLUID RECEIVED	30						
Direct Recirc Sump		Dumped	30	- FLUID LOST	67						
Other (eg Diesel)		Other		+ FLUID IN STORAGE	25						
TOTAL RECEIVED	30	TOTAL LOST	67	FINAL VOLUME	745	Desander		0			
						Desilter	11.0	9.8		1.20	

Product	Price	Start	Received	Used	Close	Cost	Solids Analysis		Bit Hydraulics & Pressure Data		
AMC Pac R	\$ 162.50	73		6	67	\$ 975.00	%	PPB	Jet Velocity	310	
Baryte	\$ 8.45	1060		40	1020	\$ 338.00	High Grav solids	0.6	9.43	Impact force	500
Potassium Chloride (Te	\$ 26.75	546		84	462	\$ 2,247.00	Total LGS	6.8	64.0	HHP	157
							Bentonite	-0.2	-2.0	HSI	2.8
							Drilled Solids	7.0	63.5	Bit Press Loss	838
							Salt	2.3	21.4	CSG Seat Frac Press	
							n @ 2000 Hrs	0.41		Equiv. Mud Wt.	
							K @ 2000 Hrs	11.54		Max Pressure @ Shoe :	
							DAILY COST		CUMULATIVE COST		
							\$3,560.00		\$77,834.11		

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DRILLING FLUID REPORT



Report #	32	Date :	5-Aug-2008
Rig No	2	Spud :	5th July, 2008
Depth	2128	to	2128 Metres

OPERATOR	Central Petroleum Limited	CONTRACTOR	Hunt Energy
REPORT FOR	Juris Ozolins	REPORT FOR	Brian Yates
WELL NAME AND No	Blamore #1	FIELD	EP93
		LOCATION	Pedirka Basin
		STATE	Northern Territory

DRILLING ASSEMBLY		JET SIZE		CASING		MUD VOLUME (BBL)		CIRCULATION DATA						
BIT SIZE	TYPE	12	12	12	9 5/8 SURFACE	3166 ft	HOLE	PITS		PUMP SIZE		CIRCULATION		
8.50	JST11X	12			SET @	965 M	450	250		16 X 5.5 Inches		PRESS (PSI) 800 psi		
DRILL PIPE SIZE	TYPE	Length		INTERMEDIATE SET @		ft	TOTAL CIRCULATING VOL.		PUMP MODEL		ASSUMED EFF		BOTTOMS UP (min)	
4.5	#	1942 Mtrs		M			700		EMSCO/TSM		97 %		52 min	
DRILL PIPE SIZE	TYPE	Length		PRODUCTION. or LINER Set @		ft	IN STORAGE		BBL/STK		STK /MIN		TOTAL CIRC. TIME (min)	
4.50	HW	54 Mtrs		M					0.1335		59		92 min	
DRILL COLLAR SIZE (")		Length		MUD TYPE					BBL/MIN		GAL / MIN		ANN VEL. DP	
6.25		132 Mtrs		KCL/Polymer					7.64		321		(ft/min) DCs 151 Lam	

SAMPLE FROM		MUD PROPERTIES		MUD PROPERTY SPECIFICATIONS					
TIME SAMPLE TAKEN		1400		Mud Weight	8.8-9.2	API Filtrate	<8	HPHT Filtrate	
DEPTH (ft) - (m)		2,128		Plastic Vis		Yield Point		pH	9
FLOWLINE TEMPERATURE		38		KCl	2-4%	PHPA	0.50 ppb	Sulphites	100
WEIGHT		9.50 1.140		<p align="center">OBSERVATIONS</p> <p>Mix premix.</p> <p>Mix slug to stop back flow.</p> <p>Mis more slugs when required.</p>					
FUNNEL VISCOSITY (sec/qt) API @		41							
PLASTIC VISCOSITY cP @		12							
YIELD POINT (lb/100ft ²)		20							
GEL STRENGTHS (lb/100ft ²) 10 sec/10 min		7 13							
RHEOLOGY Ø 600 / Ø 300		44 32							
RHEOLOGY Ø 200 / Ø 100		22 18							
RHEOLOGY Ø 6 / Ø 3		10 6							
FILTRATE API (cc's/30 min)		7.2							
HPHT FILTRATE (cc's/30 min) @									
CAKE THICKNESS API : HPHT (32nd in)		1		<p align="center">OPERATIONS SUMMARY</p> <p>Run &" casing. Circ thru tight spots around 1320-1345m</p> <p>Run casing to 1810m. Circ clean.</p> <p>Slug and POH to 1494m</p>					
SOLIDS CONTENT (% by Volume)		6.0							
LIQUID CONTENT (% by Volume) OIL/WATER		94.0							
SAND CONTENT (% by Vol.)		0.20							
METHYLENE BLUE CAPACITY (ppb equiv.)		5.0							
pH		8.6							
ALKALINITY MUD (Pm)									
ALKALINITY FILTRATE (Pf / Mf)		0.05 0.10							
CHLORIDE (mg/L)		33,000							
TOTAL HARDNESS AS CALCIUM (mg/L)		720							
SULPHITE (mg/L)		100							
K+ (mg/L)		28,875							
KCl (% by Wt.)		5.5							
PHPA (ppb)		0.07 0.06							
ECD (ppg)		9.80							

Mud Accounting (bbls)				Solids Control Equipment								
FLUID BUILT & RECEIVED		FLUID DISPOSED		SUMMARY		Type	Hrs	Cones	Hrs	Size	Hrs	
Premix (drill water)	40	Desander		INITIAL VOLUME	730	Centrifuge		Desander	2	Shaker #1	3 x 110	20
Premix (recirc from sump)		Desilter				Degasser		Desilter	12	Shaker #2	3x110	24
Drill Water	30	Downhole	40	+ FLUID RECEIVED	70							
Direct Recirc Sump		Dumped		- FLUID LOST	100							
Other (eg Diesel)		Other	60	+ FLUID IN STORAGE								
TOTAL RECEIVED	70	TOTAL LOST	100	FINAL VOLUME	700			Overflow (ppg)	Underflow (ppg)	Output (Gal/Min.)		
						Desander			0			
						Desilter			0			

Product		Price	Start	Received	Used	Close	Cost	Solids Analysis		Bit Hydraulics & Pressure Data		
AMC Pac R		\$ 162.50	57		3	54	\$ 487.50		%	PPB	Jet Velocity	232
Baryte		\$ 8.45	1000		160	840	\$ 1,352.00	High Grav solids	0.9	12.60	Impact force	367
Xanthan Gum		\$ 359.25	63		3	60	\$ 1,077.75	Total LGS	5.2	48.9	HHP	86
								Bentonite	0.0	-0.2	HSI	1.5
								Drilled Solids	5.2	47.2	Bit Press Loss	461
								Salt	2.0	19.1	CSG Seat Frac Press	
								n @ 1400 Hrs	0.46		Equiv. Mud Wt.	
								K @ 1400 Hrs	9.33		Max Pressure @ Shoe :	
								DAILY COST		CUMULATIVE COST		
								\$2,917.25		\$83,623.11		

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