

Sample Recoveries from FIT/RFT Runs

RFT #1 Sample from 2519 m (9265 ft) KB

Recovered 10,725 cc filtrate/water with 125 cc condensate and 0.09 cu. ft. gas. Sampler pressure 22 psig. MRT = 234°F.

<u>Water Analysis</u>		No gas analysis possible.	
NO ₃	130	API gravity not possible. (not enough)	
Pf	0.7		
P _H	9.6	Resistivity = 0.235 @ 68°F	
Cl	15,900		
Ca	40		

FIT #1 Sample from 2740 m (8988 ft) KB

Recovered 47.66 cu. ft. gas with 13,000 cc water/filtrate and 1,500 cc condensate. Some sand noted on top of main chamber piston. Sample pressure = 1550 psig. MRT = 234-236°F.

<u>Water Analysis</u>		<u>Gas Analyses (ppm)</u>	
NO ₃	60	C1	240307 219340
Pf	-	C2	38272 35916
P _H	6.6	C3	35750 26995
Cl	15,600	C4	8422 5113
Ca	100	C5	1683 554
		C6	115 -

Resistivity @ 70°F.
Cl - 28000 ppm.
API gravity of condensate 56° @ 26°C.
SEG. 2907 FULL OF MUD.

FIT #2 Sample from 2793 m (9164 ft) KB

Recovered 0.3 ft.³ gas and 15,700 cc filtrate. Trace to negligible condensate. Sampler pressure 57 psig. MRT = 239°F.

<u>Water Analysis</u>		Gas Analysis was not possible	
NO ₃	50		
Pf	-	TRANSFERRED SEG. 2910, expected to contain mostly water.	
P _H	7.1		
Cl	14,000	Resistivity = 0.235 @ 23°C.	
Ca	80		

mini-still oil < 1%

FIT #3 Sample from 2847 m (9342 ft) KB

Recovered 0.3 cu. ft. gas (explosion gas) and 700 cc filtrate (after 1 hr. 15 mins. sampling time). Sample pressure 26 psi. MRT = 212°F.
Water a very dark brown colour.

<u>Water Analysis</u>		SEG. 2908 full of mud. (segregator pressure 100 psi) Gas analysis not possible.	
NO ₃	-		
pf	-		
P _H	8.2		
Cl	16,000		
Ca	240?		

mini-still oil < 1%

Resistivity = 0.208 @ 23°C.

FIT #4 Sample from 2816 m (9238 ft) KB

Recovered 0.1 cu. ft. gas (explosion gas) and 20,700 cc water (full chamber).
Water a very dark brown colour.

<u>Water Analysis</u>		SEG. 28 full of water. Gas analysis not possible. Resistivity = 0.233 @ 23°C.	
(Main Chamber)	(Seg)		
NO ₃	35	65	
Pf	0.1	0	Seg. water resistivity = 0.217 @ 24°C.
P _H	8.2	7.9	
Cl	15,000	15000	
Ca	40	80	
Oil mini-still	0%	0%	
Solids	½-1%	Solids	½-1%

RFT #2 Sample from 2823 m (9261 ft) KB

Recovered 0.3 cu. ft. gas and 9250 cc filtrate (1 hour 20 minutes sampling time).
Sampling pressure 25.5 psi. MRT = 236,238°F.

<u>Water Analysis</u>		<u>Gas Analysis (ppm)</u>	
NO ₃	60	C1	73,000
pf	1.0	C2	22,000 Sample probably not very representative
P _H	9.6	C3	85,000
Cl	17,000	C4	41,000
Ca	40	C5	7,600
Mini-still oil	0%, solids ½-1%	C6	1,500
		NO SEG. TAKEN	Rw = 0.243 @ 26°C

RFT #3 Sample from 2885 m (9464 ft) KB

Recovered 69.5 cu. ft. gas with 900 cc condensate and 11,400 cc filtrate. Condensate 49° API @ 20.5°C.
Sampler pressure = 1700 psig. MRT = 234-236°F.

<u>Water Analysis</u>		<u>Gas Analysis (ppm)</u>		
NO ₃	180	1	2	3
Pf	0.1	C1	275789	403200 399974
P _H	7	C2	82432	103629 80666
Cl	17,500	C3	51072	59827 51437
Ca	120	C4	11731	12934 7971
mini-still oil	tr	C5	2614	1940 1049
Solids	<1%	iso - C ₄ noted but not able to be measured.		

SEGREGATOR 3006 gas leaked on transfer. 400 cc liquid transferred.
R = 0.248 @ 19°C
R_{filt} = 0.233 @ 18.5°C.

MUD Sample - Average while drilling figures and sample given to Schlumberger

<u>Mud Analyses</u>		Chlorides while drilling varying between 16,000 and 19,500. Mud cake sometimes thick according to Schlumberger and very sticky. Logging tools frequently got stuck. Overbalance in excess 600 psi up to 1000 psi.	
NO ₃	4/2	12/2	
NO ₃	200		
Pf	1.5		
P _H	11.0	11.4	
Cl	18,000	(20,000)	
Ca	160	160	
Mud Wt.	10.5	11.6	
		(Barites added)	
R _m	= 0.265	.232)
R _{mc}	= 0.431	.524) as measured by Schlumberger
R _{mf}	= 0.202	.164)