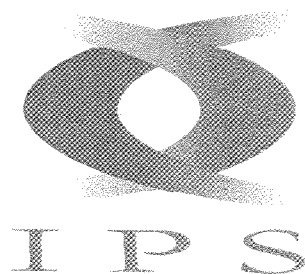


INTEGRATED PRODUCTION SERVICES



Project Management & Engineering

SINGLE POINT TEST

APACHE CANADA LIMITED

Well Name: APACHE NOGHA M-17

UWI: 300_M-17-66-36 125-48-0

FIELD: COLVILLE LAKE

FORMATION: MOUNT CLARK 'C'

TEST DATE: March 8-13, 2004

DISTRIBUTION: *Walter Stock, Calgary, AB*
via email: walterf.stock@apachecorp.com
Lee Forbes, Calgary, AB
via email: lee.forbes@apachecorp.com

PREPARED BY: *Roberta (Robbie) Lailey*

Project Management & Engineering, A Division of Integrated Production Services
Property Management Production Optimization Exploitation / Engineering Services Pressure Transient Analysis
1000, 840 – 7th Avenue S. W. Calgary, Alberta T2P 3G2 Tel: (403) 266-0909 Fax: (403) 269-4136
Website: www.ipsadvantage.com



EXTENDED GAS ANALYSIS

V0005581 - 1		1970	52136-2004-1252
CONTAINER IDENTITY	METER ID	WELL LICENSE NUMBER	LABORATORY FILE NUMBER
Apache Canada Ltd.			1
OPERATOR		PAGE	
M-17-66-36-125-48-0	Apache Nogha M17-66-36-125-48-0	350.0	344.0
LOCATION (UWI)	WELL NAME	KB ELEV (m)	GR ELEV (m)
Nogha	Mount Clark C	IPS	
FIELD OR AREA	POOL OR ZONE	SAMPLER	

TEST TYPE AND NO. TEST RECOVERY

Meter Run

1411.0 - 1414.0	POINT OF SAMPLE		SAMPLE POINT ID	
	PUMPING	FLOWING	GAS LIFT	SWAB
	WATER	m ³ /d	OIL	m ³ /d
			GAS	43000 m ³ /d

TEST INTERVAL or PERFS (meters)

310		@ °C	392 @ 22 °C	23	
SEPARATOR	RESERVOIR	OTHER	CONTAINER WHEN SAMPLED	CONTAINER WHEN RECEIVED	OTHER

at 17:00 hrs

Pressures, kPa (gauge)

Temperatures, °C

2004 03 09	2004 04 06	2004 04 14	CL		@ °C
DATE SAMPLED (Y/M/D)	DATE RECEIVED (Y/M/D)	DATE ANALYZED (Y/M/D)	ANALYST	AMT. AND TYPE CUSHION	MUD RESISTIVITY

COMPONENT	MOLE FRACTION AIR FREE AS RECEIVED	MOLE FRACTION AIR FREE ACID GAS FREE	mL/m ³ AIR FREE AS RECEIVED
H ₂	0.0001	0.0001	
He	0.0054	0.0054	
N ₂	0.1995	0.1995	
CO ₂	0.0001	0.0000	
H ₂ S	0.0000	0.0000	
C ₁	0.7329	0.7330	
C ₂	0.0330	0.0330	117.1
C ₃	0.0130	0.0130	47.7
iC ₄	0.0032	0.0032	14.0
C ₄	0.0038	0.0038	16.0
iC ₅	0.0018	0.0018	8.8
C ₅	0.0010	0.0010	4.8
C ₆	0.0011	0.0011	5.9
C ₇₊	0.0051	0.0051	30.9
Total	1.0000	1.0000	245.2

CALCULATED GROSS HEATING VALUE MJ/m ³ @ 15°C & 101.325 kPa (abs.)		CALCULATED VAPOR PRESSURE kPa (abs.) @ 40 °C	
33.64	33.64	53.0	
MOISTURE FREE	MOISTURE & ACID GAS FREE	PENTANES PLUS	
CALCULATED TOTAL SAMPLE PROPERTIES (AIR=1) @ 15°C & 101.325 kPa MOISTURE FREE AS SAMPLED			
0.853 kg/m ³	0.697	20.2	
DENSITY	RELATIVE DENSITY	RELATIVE MOLECULAR MASS	
CALCULATED PSEUDOCRITICAL PROPERTIES			
AS SAMPLED		ACID GAS FREE	
4320.8 kPa (abs)	187.5 K	4320.5 kPa (abs)	187.4 K
pPc	pTc	pPc	pTc
C ₇₊ PROPERTIES @ 15°C & 101.325 kPa		MOLE FRACTION	LOCATION
742.3 kg/m ³	104.6	0.0000000	Field
DENSITY	MOLECULAR WEIGHT	METHOD	
		Kitagawa	
HYDROGEN SULPHIDE			

REMARKS:

H2S was not detected in the field by Kitagawa.

NOTE: THE GROSS HEATING VALUE HAS BEEN CALCULATED IN ACCORDANCE TO
AGA REPORT #5 AND ALL PROPERTIES HAVE BEEN CALCULATED UTILIZING
GPA 2145 - 00 PHYSICAL CONSTANTS.

Integrated Production Services Field Measurements

Date	Time	Clock	Tbg	Csg	WHT	Orifice	Static	Diff	Temp	Gas		Rate	Cum	Fld	Vol	BSW	Gain	Oil	Cum	H2O	Gain	H2O	Cum	pH	Salinity	API
										kPa(g)	°C															
2004/03/08	17:00:00		Arrive on location, spot and rig in test equipment																							
			Hold safety meeting.																							
	21:15:00		Wireline at surface																							
			Secure well and equipment for the night																							
2004/03/09	07:00:00		Arrive on location, hold safety meeting																							
			Rig out service rig.																							
			Rig up flow line.																							
	10:59:00		12488																							
			Pressure up to choke and open to flow, 16/64 = 6.53 mm.																							
	11:05:00		11600																							
	11:10:00		11320																							
			Increase choke to 18/64 = 7.14 mm.																							
			Burnable gas to surface.																							
			Fluid to surface.																							
			Shut in, repair flowline leak.																							
	12:10:00		11909																							
			Pressure up to choke and open to flow 18/64 = 7.14 mm.																							
	12:15:00		10850																							
	12:20:00		10360																							
			Fluid to surface.																							
			Shut in, repair manifold leak.																							
	12:30:00		11110			0.00	0	0.0	0.0	0.000	0.000	0.000	0.000	0.000	0.0	0.000	0.000	0.000	0.000	0.000	0.000					
			Open to flow 12/64 = 4.76 mm.																							
	12:40:00		10912																							
	12:45:00		10975																							
			Increase choke to 18/64 = 7.14 mm.																							
	12:50:00		10975																							
	12:55:00		10320			0.00	0	0.0	0.0	0.000	0.000	0.000														
			Meter in service with a 44,45mm orifice plate																							
	13:00:00		10304		-2.0	44.45	345	22.9	-30.0	42.871	0.149															
	13:15:00		10080		-2.0		427	28.6	-32.0	52.566	0.646															

Integrated Production Services Field Measurements

Date	Time	Tbg	Csg	WHT	Orifice	Static	Diff	Temp	Gas		Fid	BSW	Oil	Cum	H2O	Cum	pH	Salinity	API
									Rate	Cum									
YYYY/mm	hh:mm:ss	kPa(g)	kPa(g)	°C	mm	kPa(g)	kPa	°C	10 ³ m ³ /	10 ³ m ³	m ³	%	m ³	m ³	m ³	m ³		ppm	° API
32	2004/03/09	13:30:00	10120		-2.0		434	33.3	-20.0	55.755	1.210								
33		14:00:00	10042		-3.0	44.45	448	39.3	17.0	57.235	2.387								
34		14:30:00	9847		-3.0		427	37.3	22.0	54.174	3.548								
35			Decrease choke to 16/64 = 6.35 mm.																
36		15:00:00	10369		-3.0	44.45	310	28.1	22.0	41.333	4.542								
37		15:30:00	10398		-3.0		331	30.4	24.0	43.923	5.431								
38		16:00:00	10463		-4.0	44.45	331	30.1	24.0	43.737	6.344								
39		16:30:00	10471		-4.0		338	30.4	23.0	44.354	7.261								
40		17:00:00	10491		-4.0	44.45	310	28.9	23.0	41.823	8.159								
41			Samples taken, 2 high pressure gas #'s V0005531 and V0006733.																
42		17:30:00	10368		-4.0		345	29.9	23.0	44.328	9.056								
43		18:00:00	10578		-4.0	44.45	221	24.9	23.0	34.292	9.875								
44			Increase choke to 18/64 = 7.14 mm.																
45		18:30:00	10281		-4.0		414	36.8	23.0	53.042	10.785								
46			Seeing very small traces of sand and frac oil, TSTM.																
47		19:00:00	9553		-5.0	44.45	414	38.3	26.0	53.853	11.899								
48		19:30:00	9400		-5.0		414	36.6	24.0	52.765	13.009								
49		20:00:00	9293		-7.0	44.45	414	36.8	23.0	53.042	14.111								
50		20:30:00	9233		-6.0		414	36.6	22.0	52.949	15.215								
51		21:00:00	9173		-5.0	44.45	407	36.6	21.0	52.681	16.316								
52		21:30:00	9129		-5.0		407	36.3	20.0	52.588	17.412								
53			Decrease choke to 16/64 = 6.35 mm.																
54		22:00:00	9725	7000	-6.0	44.45	248	27.4	19.0	37.759	18.353								
55			Small traces of sand in samples, TSTM.																
56		22:30:00	9830		-6.0		359	15.4	18.0	32.461	19.085								
57		23:00:00	9914		-7.0	44.45	448	16.4	17.0	36.706	19.805	0.000		0.000	0.000	0.000			
58		23:30:00	9899		-7.0		393	19.2	17.0	37.621	20.580								
59	2004/03/10	00:00:00	9824		-7.0	44.45	400	18.9	15.0	37.773	21.365	2.360	0.0	2.360	2.360	0.000	0.000		
60		00:30:00	9760		-6.0		379	18.7	14.0	36.781	22.142								
61		01:00:00	9749		-7.0	44.45	393	18.9	14.0	37.573	22.916	0.120	0.0	0.120	2.480	0.000	0.000		
62		01:30:00	9721		-6.0		386	18.9	14.0	37.302	23.696								

Integrated Production Services Field Measurements

Date	Clock Time	Tbg	Csg	WHT	Orifice	Static	Diff	Temp	Gas		Fid	BSW	Oil	Cum	H2O	Cum	pH	Salinity	API
									Rate	Gas									
YYYY/mm	hh:mm:ss	kPa(g)	kPa(g)	°C	mm	kPa(g)	kPa	°C	10 ³ m ³ /	10 ³ m ³	m ³	%	m ³	m ³	m ³	m ³		ppm	° API
63	2004/03/10	02:00:00	9722	7000	-6.0	44.45	372	17.7	15.0	35.450	24.454	0.070	0.0	0.070	2.550	0.000	0.000		54.0
64			Small traces of sand in samples, TSTM.																
65		02:30:00	9687		-6.0		379	17.4	15.0	35.458	25.192								
66		03:00:00	9684		-6.0	44.45	379	17.4	14.0	35.521	25.932	0.080	0.0	0.080	2.630	0.000	0.000		
67		03:30:00	9675		-6.0		379	17.4	15.0	35.458	26.671								
68		04:00:00	9658		-7.0	44.45	379	17.4	14.0	35.521	27.411	0.090	0.0	0.090	2.720	0.000	0.000		
69		04:30:00	9647		-7.0		379	17.4	15.0	35.458	28.150								
70		05:00:00	9641		-7.0	44.45	372	17.2	16.0	34.876	28.883	0.090	0.0	0.090	2.810	0.000	0.000		
71		05:30:00	9632		-7.0		372	17.2	17.0	34.814	29.609								
72		06:00:00	9614	7000	-7.0	44.45	372	17.2	17.0	34.814	30.334	0.040	0.0	0.040	2.850	0.000	0.000		55.1
73			Injecting methanol into flowstream at a rate of 8L/hour																
74		06:30:00	9590		-6.0		379	17.4	19.0	35.207	31.063								
75		07:00:00	9577		-6.0	44.45	379	17.4	19.0	35.207	31.797	0.150	0.0	0.150	3.000	0.000	0.000		
76		07:30:00	9540		-6.0		372	17.4	19.0	34.946	32.527								
77		08:00:00	9522		-6.0	44.45	386	17.4	19.0	35.466	33.261	0.110	0.0	0.110	3.110	0.000	0.000		
78		08:30:00	9494		-6.0		379	17.4	18.0	35.269	33.998								
79		09:00:00	9487		-6.0	44.45	379	17.9	17.0	35.842	34.738	0.060	0.0	0.060	3.170	0.000	0.000		
80		09:30:00	9467		-6.0		379	17.7	18.0	35.524	35.482								
81		10:00:00	9467	6950	-6.0	44.45	379	17.7	19.0	35.462	36.221	0.070	0.0	0.070	3.240	0.000	0.000		53.2
82		10:30:00	9452		-6.0		379	17.7	19.0	35.462	36.960								
83		11:00:00	9438		-6.0	44.45	379	17.7	19.0	35.462	37.699	0.020	0.0	0.020	3.260	0.000	0.000		
84		11:30:00	9437		-5.0		379	17.7	20.0	35.399	38.437								
85		12:00:00	9419		-5.0	44.45	379	17.7	20.0	35.399	39.174	0.140	0.0	0.140	3.400	0.000	0.000		
86		12:30:00	9413		-5.0		379	17.7	20.0	35.399	39.912								
87		13:00:00	9408		-5.0	44.45	379	17.7	20.0	35.399	40.649	0.080	80.0	0.016	3.416	0.064	0.064	6	
88			Salinity of water is too high to measure.																
89		13:30:00	9380		-5.0		379	17.7	22.0	35.276	41.386								
90		14:00:00	9393	6950	-5.0	44.45	379	17.7	22.0	35.276	42.121	0.060	90.0	0.006	3.422	0.054	0.118	6	54.7
91		14:30:00	9395		-5.0		379	17.7	22.0	35.276	42.855								
92		15:00:00	9384		-5.0	44.45	379	17.7	22.0	35.276	43.590	0.160	90.0	0.016	3.438	0.144	0.262	6	274000
93		15:30:00	9379		-5.0		379	17.7	22.0	35.276	44.325								

APACHE NOGHA M-17
Formation: MOUNT CLARK 'C'
Job Number: CX04-169

Job Number: CX04-169

94	2004/03/10	16:00:00	9380	-5.0	44.45	379	17.7	22.0	35.276	45.060	0.020	90.0	0.002	3.440	0.018	0.280	6	274000	
95		16:30:00	9376	-5.0		379	17.4	22.0	35.022	45.792									
96		17:00:00	9374	-5.0	44.45	379	17.4	22.0	35.022	46.522	0.040	90.0	0.004	3.444	0.036	0.316	6	272000	
97		17:30:00	9375	-5.0		379	17.4	22.0	35.022	47.252									
98		18:00:00	9378	-5.0	44.45	372	17.2	22.0	34.509	47.976	0.090	90.0	0.009	3.453	0.081	0.397	6	272000	55.0
99		18:30:00	9381	-5.0		379	17.4	23.0	34.961	48.700									
100		19:00:00	9383	-5.0	44.45	379	17.4	24.0	34.900	49.427	0.070	90.0	0.007	3.460	0.063	0.460	6	271000	
101		19:30:00	9391	-5.0		379	17.4	24.0	34.900	50.154									
102		20:00:00	9372	-5.0	44.45	379	17.7	23.0	35.214	50.885	0.090	90.0	0.009	3.469	0.081	0.541	6	272000	
103		20:30:00	9372	-6.0		379	17.4	22.0	35.022	51.616									
104		21:00:00	9357	-6.0	44.45	379	17.4	22.0	35.022	52.346	0.040	95.0	0.002	3.471	0.038	0.579	6	272000	
105		21:30:00	9353	-6.0		379	17.4	23.0	34.961	53.075									
106		22:00:00	9351	-6.0	44.45	372	17.4	23.0	34.702	53.801	0.050	95.0	0.003	3.474	0.048	0.627	6	272000	54.8
107		22:30:00	9348	-5.0		379	17.2	24.0	34.646	54.523									
108		23:00:00	9344	-5.0	44.45	379	16.9	25.0	34.330	55.242	0.060	98.0	0.001	3.475	0.059	0.685	6	279000	
109		23:30:00	9341	-5.0		379	16.7	26.0	34.014	55.953									
110			Salinity of water is to high to measure.																
111	2004/03/11	00:00:00	9338	-5.0	44.45	379	16.7	26.0	34.014	56.662	0.080	98.0	0.002	3.476	0.078	0.764	6		
112		00:30:00	9329	-5.0		372	16.2	26.0	33.245	57.363									
113		01:00:00	9327	-5.0	44.45	372	15.9	26.0	32.995	58.053	0.070	98.0	0.001	3.478	0.069	0.832	6		
114		01:30:00	9328	-5.0		372	15.9	27.0	32.938	58.739									
115		02:00:00	9321	-4.0	44.45	372	15.9	26.0	32.995	59.426	0.060	98.0	0.001	3.479	0.059	0.891	6		
116		02:30:00	9344	-4.0		372	15.9	26.0	32.995	60.114									
117		03:00:00	9344	-5.0	44.45	372	15.9	26.0	32.995	60.801	0.060	99.0	0.001	3.480	0.059	0.951	6		
118		03:30:00	9359	-6.0		365	15.9	26.0	32.746	61.486									
119		04:00:00	9350	-6.0	44.45	372	15.9	26.0	32.995	62.171	0.060	99.0	0.001	3.480	0.059	1.010	6		
120		04:30:00	9336	-6.0		372	15.9	26.0	32.995	62.858									
121		05:00:00	9324	-5.0	44.45	372	15.9	26.0	32.995	63.545	0.060	99.0	0.001	3.481	0.059	1.069	6		
122		05:30:00	9312	-5.0		365	15.9	26.0	32.746	64.230									
123		06:00:00	9317	-4.0	44.45	372	15.9	27.0	32.938	64.914	0.060	99.0	0.001	3.481	0.059	1.129	6		
124		06:30:00	9336	-4.0		365	15.7	26.0	32.485	65.596									

Integrated Production Services Field Measurements

Clock	Date	Time	Tbg	Csg	WHT	Orifice	Static	Diff	Temp	Gas		Fld	BSW	Oil	Cum	H2O	Cum	pH	Salinity	API
										Rate	Cum					Gain				
YYYY/mm	hh:mm:ss	kPa(g)	kPa(g)	°C	mm	kPa(g)	kPa	°C	10 ³ m ³ /	10 ³ m ³	m ³	%	m ³	m ³	m ³	m ³	m ³	m ³	ppm	° API
125	2004/03/11	07:00:00	9327		-4.0	44.45	359	15.4	26.0	32.011	66.268									
126		07:30:00	9335		-4.0		365	15.4	26.0	32.222	66.937									
127		08:00:00	9351		-4.0	44.45	359	15.4	26.0	32.011	67.606	0.060	99.0	0.001	3.482	0.059	1.188	6		
128		08:30:00	9340		-4.0		359	15.4	27.0	31.957	68.272									
129		09:00:00	9312		-4.0	44.45	372	15.9	27.0	32.938	68.948	0.030	99.0	0.000	3.482	0.030	1.218	6		
130		09:30:00	9297		-4.0		372	15.7	27.0	32.676	69.632									
131		10:00:00	9296	7000	-4.0	44.45	365	15.7	27.0	32.430	70.310	0.120	99.0	0.001	3.483	0.119	1.337	6		
132		10:30:00	9316		-4.0		365	15.7	27.0	32.430	70.986									
133		11:00:00	9308		-4.0	44.45	365	15.7	27.0	32.430	71.661	0.030	99.0	0.000	3.484	0.030	1.366	6		
134		11:30:00	9324		-4.0		352	15.4	28.0	31.655	72.329									
135		12:00:00	9294		-4.0	44.45	352	15.4	28.0	31.655	72.988	0.010	99.0	0.000	3.484	0.010	1.376	6		
136		12:30:00	9287		-4.0		365	15.7	28.0	32.374	73.655									
137		13:00:00	9257		-4.0	44.45	365	15.7	28.0	32.374	74.330	0.030	99.0	0.000	3.484	0.030	1.406	6		
138		13:30:00	9201		-2.0		365	16.2	28.0	32.883	75.009									
139		14:00:00	9167	7000	-1.0	44.45	379	15.9	28.0	33.127	75.697	0.040	99.0	0.000	3.485	0.040	1.446	6		
140		14:30:00	9111		-1.0		372	15.9	28.0	32.882	76.385									
141		15:00:00	9091		-1.0	44.45	359	15.9	28.0	32.421	77.065	0.080	99.0	0.001	3.485	0.079	1.525	6		
142		15:30:00	9056		-1.0		365	15.7	28.0	32.374	77.740									
143		16:00:00	9018		-2.0	44.45	365	15.7	27.0	32.430	78.415	0.120	99.0	0.001	3.487	0.119	1.644	6		
144		16:30:00	8962		-2.0		359	15.7	27.0	32.218	79.088									
145		17:00:00	8913		-2.0	44.45	359	15.7	26.0	32.273	79.760	0.040	99.0	0.000	3.487	0.040	1.683	6	270000	
146		17:30:00	8890		-2.0		352	15.4	26.0	31.764	80.427									
147		18:00:00	8841	6975	-2.0	44.45	352	15.2	26.0	31.502	81.086	0.090	99.0	0.001	3.488	0.089	1.772	6	270000	
148		18:30:00	8832		-2.0		345	14.9	26.0	30.993	81.737									
149		19:00:00	8813		-3.0	44.45	345	14.9	28.0	30.887	82.382	0.080	99.0	0.001	3.489	0.079	1.851	6	270000	
150		19:30:00	8788		-3.0		345	14.9	28.0	30.887	83.025									
151		20:00:00	8775		-3.0	44.45	345	14.9	28.0	30.887	83.669	0.090	99.0	0.001	3.490	0.089	1.941	6	272000	
152		20:30:00	8764		-4.0		331	14.4	28.0	29.873	84.302									
153							Suspect well is loading up, increase choke to a 22/64 = 8.73 mm.													
154							Well is slugging fluid, 30% frac oil, 38% sand.													
155							Salinity of water is to high to measure.													

Integrated Production Services Field Measurements

Date	Clock	Time	Tbg	Csg	WHT	Orifice	Static	Diff	Temp	Gas		Fid	BSW	Oil	Cum	H2O	Cum	pH	Salinity	API
										Rate	Gas									
YYYY/mm	hh:mm:ss	kPa(g)	kPa(g)	°C	mm	kPa(g)	kPa	°C	10 ³ m ³ /	10 ³ m ³	m ³	%	m ³	m ³	m ³	m ³	m ³			
187	2004/03/12	05:00:00	6896		-3.0	38.10	586	42.3	32.0	47.410	98.841	0.500	99.0	0.005	3.541	0.495	5.389	6	275000	
188		05:00:00	Shut in at wing valve, bleed off p-tank, repair Daniels orifice meter.																	
189		05:15:00	8701																	
190		05:20:00	8790																	
191		05:25:00	8999																	
192		05:30:00	9210																	
193		05:45:00	9546																	
194		06:00:00	9833																	
195		06:30:00	10493																	
196		07:00:00	10771																	
197		07:30:00	10940																	
198		08:00:00	11061																	
199		08:30:00	11145																	
200		09:00:00	11224																	
201			IPS Wireline arrive on location.																	
202		09:30:00	11306																	
203			Rig in wireline.																	
204			Wireline running in hole with plug.																	
205			Wireline at surface, hydrate at surface, add methanol.																	
206			Wireline running in hole with guage ring.																	
207		11:00:00	Wireline at surface, lay down lubricator, wait on hot oiler.																	
208		12:00:00	11637																	
209		12:30:00	11680																	
210		13:00:00	11721																	
211		13:30:00	11757																	
212		14:00:00	11794																	
213		14:30:00	11823																	
214		15:00:00	11855																	
215		15:30:00	11886																	
216		16:00:00	11913																	
217			Hot oiler arrive on location, spot and rig in.																	

Integrated Production Services Field Measurements

Date	Time	Tbg	Csg	WHT	Orifice	Static	Diff	Temp	Gas			Oil	Cum	H2O	Cum	pH	Salinity	API
									Rate	Gas	Fld	Gain	Oil	Gain	H2O			
YYYY/mm	hh:mm:ss	kPa(g)	kPa(g)	°C	mm	kPa(g)	kPa	°C	10 ³ m ³ /	10 ³ m ³	m ³	%	m ³	m ³	m ³	m ³	ppm	° API
218	2004/03/12																	
219																		
220																		
221																		
222																		
223																		
224																		
225																		
226																		
227																		
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229																		
230																		
231																		
232																		
233																		
234																		
235																		
236	2004/03/13																	
237																		
238																		
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243																		
244																		
245																		
246																		
247																		
248																		

APACHE CANADA LIMITED
300 M-17-66-36 125-48-0
Start Test Date: 2004/03/08
Final Test Date: 2004/03/13

Integrated Production Services Field Measurements

APACHE NOGHA M-17
Formation: MOUNT CLARK 'C'
Job Number: CX04-169

Date	Time	Tbg	Csg	WHT	Orifice	Static	Diff	Temp	Gas		Fid	BSW	Oil	Cum	H2O	Cum	pH	Salinity	API
									Rate	Gas									
YYYY/mm	hh:mm:ss	kPa(g)	kPa(g)	°C	mm	kPa(g)	kPa	°C	10 ³ m ³ /	10 ³ m ³	m ³	%	m ³	m ³	m ³	m ³		ppm	° API
249	2004/03/13	06:30:00	12437																
250		07:00:00	12442																
251		07:30:00	12446																
252		08:00:00	12451																
253		08:30:00	12461																
254		09:00:00	12470																
255																			
256																			
257																			
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275																			

PACHE CANADA LIMITED
 00 M-17-66-36 125-48-0
 Start Test Date: 2004/03/08
 Final Test Date: 2004/03/13

APACHE NOGHA M-17
 Formation: MOUNT CLARK 'C'
 Job Number: CX04-169

Single Point Test

