Paramount resources

Well Operations Report

E-52 6010 117 15

WID: 2074

Cameron Hills, Winter 2012

Prepared by: Lisa Moffat
403-290-3662

Table of Contents

Daily Activity and Cost Summary

Paramount resources ltd.

Well Name: PARA ET AL CAMERON E-52

API/UWI	Surface Legal Location	License #	Field Name	State/Province
300/E-52/6010-11715/0	300/E-52/6010-11715	2074	Cameron Hills	NT
Well Configuration Type	**Original KB Elevation (m)**	**KB-Ground Distance (m)**	**KB-Casing Flange Distance (m)**	**KB-Tubing Head Distance (m)**
Vertical	749.32	5.16	4.80	

Job Category	Primary Job Type	Secondary Job Type
Completion	Workover	Flow test
Start Date	**End Date**	**Total AFE Amount (Cost)**
1/16/2012	1/23/2012	251,995.00

Objective
Swab and evaluate existing Sulphur point perforations

Summary

Contractor	Rig Number	Rig Type
Nabors	414	

Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary
1.0	1/16/2012	1/16/2012	19,517	19,517	Moved in and spotted test equipment. Ran & landed tandem badger EMR's in "XN" profile @ 1382.6 mKB. SITP= 1210 kPa. Fluid level noted @ 690 meters. Recorders on bottom 13:00 hrs. Well was last swabbed for production potential on April 5/2011 16:00hrs.
2.0	1/17/2012	1/17/2012	12,645	32,162	HSE Report. No incidents or accidents reported. Moved rig and equipment from 2m-73 to location. Raised rig and partially rigged in equipment. H2s sample taken indicates 2% sour.
3.0	1/18/2012	1/18/2012	28,228	60,390	HSE Report. No incidents or accidents reported. Reviewed workplace procedures for daily activities. Conducted SCVF "bubble test" NO flow exists. Continued to rig in complete. Prepped for flow/ swab in AM.
4.0	1/19/2012	1/19/2012	15,200	75,590	HSE Report. No incidents or accidents to report. SITP 1200 kPa. Bleed well off to zero in < 5 minutes to vessel. No measureable gas. Rigged in and attempted to swab with no success. Unable to get past 900 meters. (tagging hard on unknown obstruction) No fluid recovered today.
5.0	1/20/2012	1/20/2012	23,653	99,243	HSE Report. Medic vehicle slid off road during morning commute to location. Discussed driving conditions in morning safety meeting as a result. RIH with slickline to "XN" profile confirming depth of rig sandline miscalculated. Pulled EMR's and ran replacement recorders. Pulled 9 swabs recovering 1.0m3 oil & 4.0m3 water. Trace burnable gas during swabing. H2s @ 1.8%
6.0	1/21/2012	1/21/2012	15,258	114,500	HSE Report. No incidents or accidents reported. Pulled a total of 26 swabs today recovering 10.24m3 fluid (0.45 oil) Trace burnable throughout swabbing. Inital fluid level @ 690 meters. Fluid level dropped to where it could be consistantly tagged during swabbing @ 1176 meters. H2S approx 1.5%, PH =7
7.0	1/22/2012	1/22/2012	42,646	157,146	HSE Report. No incidents or accidents to report. Pulled 14 swabs today recovering 6.35m3 fluid (95-97% water) H2s @ 1.3%, Ph=7. Trace burnable gas. Pulled a total of 49 swabs during evaluation recovering 19.77m3 water & 1.7m3 oil. See test notes for full details. Rigged out test equipment and lay over rig.
8.0	1/23/2012	1/23/2012	38,599	195,745	HSE Report. No incidents or accidents reported. Rigged out remaining equipment. Loaded and hauled all rentals etc to 2H-03
9.0	2/1/2012	1/24/2012	47,154	242,899	HSE Report. No incidents or accidents reported. Performed reverse static gradient with 5 min stops @ 1350, 1320, 1290, 1200, 900, 600, 300 meters and surface. BHP = 8231 kPA @ 56.6c. Fluid level @ 636 meters. Well appears stable with only 0.8 kPA increase in last 2 hrs of test.

Daily Activity and Cost Summary

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Job Category	Primary Job Type	Secondary Job Type
Completion	Abandonment	
Start Date	**End Date**	**Total AFE Amount (Cost)**
3/19/2012	3/23/2012	153,652.00

Objective
To abandon well and existing Sulphur Point formation as per NEB guidelines.

Summary

Contractor	Rig Number	Rig Type
Nabors	414	

Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary
1.0	3/19/2012	3/19/2012	36,036	36,036	HSE Report. No incidents or accidents reported. Loaded and moved rig and equipment from I-73 to location. Conducted SCVF "bubble test" No vent flow detected. Rigged in Nabors 414 complete. Bleed of gas head. Removed 3k flowing well head. Installed and pressure tested class III BoP's to a high of 21 MPa. Good test. Rigged in floor and handling equipment. Ran steam lines and heater to BoP.
2.0	3/20/2012	3/20/2012	38,632	74,667	HSE Report. No incidents or accidents reported. Pull and lay out 143jts 73mm tubing, packer, TCP etc. Held a BOP drill while pulling. Good response. E-line set 10k permanent BP @ 1382 mKB. Pressure tested to 17 MPa. Capped with 10m class-G abandonment cement. Removed Bop's and install 3k flowing well head. Rig out pump and lines.
3.0	3/21/2012	3/21/2012	87,801	162,468	HSE Report. No incidents or accidents reported. Rig out Nabors 414 complete. Clean rig tank, Haul catwalk and boiler to Leduc. Haul 143 jts x 73mm tubing to Gaurdian.
4.0	3/22/2012	3/22/2012	5,009	167,477	HSE Report. No incidents or accidents reported. held safety meeting with welder and hoe operator. Flow check well. No flow or Lel's detected. Excaveted around well head with hoe. Extremely difficult digging through heavy frost.
5.0	3/23/2012	3/23/2012	1,620	169,097	HSE Report. No incidents or accidents reported. Continued to excavate around well head. Cut and cap as per NEB regulation. Well capped with installed vent valve 1.5m below surface. Back filled and surface marked with steel riser (1.5m above grade) with well ID marker plate.

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Daily Fluids

Paramount resources ltd.

Well Name: PARA ET AL CAMERON E-52

API/UWI	Surface Legal Location	Well Configuration Type	Ground Elevation (m)	KB-Casing Flange Distance (m)	KB-Tubing Head Distance (m)	Total Depth (mKB)
300/E-52/6010-11715/0	300/E-52/6010-11715	Vertical	744.16	4.80		1,418.00

Report Number	Report Start Date	Report End Date	Daily Field Est Total (Cost)	Cum Field Est To Date (Cost)
5.0	3/23/2012 07:30	3/23/2012 19:30	4,120	171,537

Lease Fluids

Fluid	To Lease (m³)	Source	From Lease (m³)	Dest	Dens (kg/m³)	BS&W (%)	Ref #	Carrier	Note

Well Fluids

Fluid	To (m³)	From (m³)	Dens (kg/m³)	BS&W (%)	Non-recov (m³)	Zone	Note

Report Fluids Summary

Fluid	Cum to Lease (m³)	Cum fm lease (m³)	Lease Bal (m³)	Cum to Well (m³)	Cum from Well (m³)	Left to recover (m³)	Cum Non-recov (m³)
Fresh Water	27.00	17.00	0.00	10.00	0.00	10.00	

Schematic - Current

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Vertical	749.32	5.16	4.80	

Most Recent Job

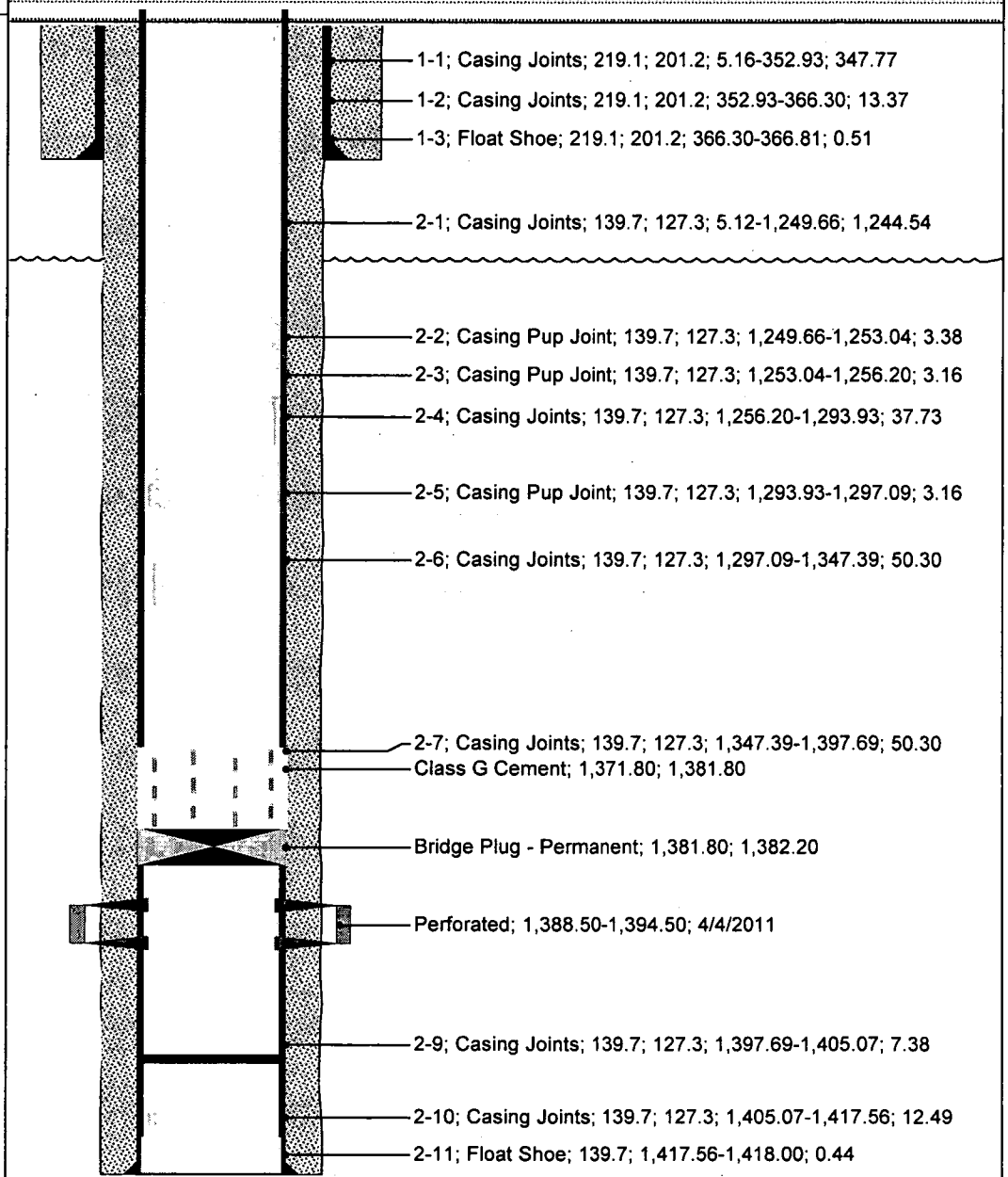
Job Category	Primary Job Type	Secondary Job Type	Start Date	End Date
Completion	Abandonment		3/19/2012	3/21/2012

TD: 1,418.00

Vertical - Original Hole, 3/23/2012 3:17:12 PM

MD (mKB)	TVD (mKB)	Incl (°)	DLS
5.1	5.1	0.9	DLS (°...
5.2	5.2	0.9	
352.9	352.9	0.7	
366.3	366.3	0.8	
366.8	366.8	0.8	
542.0	542.0	0.8	
685.0	685.0	0.8	
794.0	793.9	1.0	
1,249.7	1,249.6	1.0	
1,253.0	1,252.9	1.0	
1,256.2	1,256.1	1.0	
1,290.0	1,289.9	0.9	
1,293.9	1,293.8	0.9	
1,297.1	1,297.0	0.9	
1,315.0	1,314.9	0.8	
1,347.4	1,347.3	0.6	
1,356.0	1,355.9	0.5	
1,363.0	1,362.9	0.5	
1,371.0	1,370.9	0.6	
1,371.8	1,371.7	0.6	
1,381.0	1,380.9	0.7	
1,381.8	1,381.7	0.7	
1,382.2	1,382.1	0.7	
1,388.5	1,388.4	0.8	
1,394.5	1,394.4	0.8	
1,397.0	1,396.9	0.8	
1,397.7	1,397.6	0.9	
1,403.7	1,403.6	0.9	
1,405.1	1,405.0	0.9	
1,417.6	1,417.5	1.0	
1,418.0	1,417.9	1.0	
1,420.0	1,419.9	1.0	
1,421.0	1,420.9	1.0	

Vertical schematic (actual)



Field Measu. ents

Company: Paramount Resources
Well / Lease Name: Para et al Cameron E 52
Unique Well ID: 300/E-52/6010-11715/0
Test Type: Swab test

Job Number: FSJ12-010
Formation:
Field: Cameron Hills
Pool:

			Wellhead				Gas Measured Rate Meter					Oil Produced Volume Meter							
	Date	Time	Choke Size	Tubing Press	Tubing Temp	Casing Press	Static Press	Meter Temp	Measured Rate	Gas Rate	Cum Gas	Volume	Cum Fluid	BS&W Cut	Cum BS&W	Oil Gain	Cum Oil	PH	Salinity
	YYYY/MM/DD	HH:mm:ss	mm	kPa(g)	°C	kPa(g)	kPa(g)	°C	$10^3m^3/d$	$10^3m^3/d$	10^3m^3	m^3	m^3	%	m^3	m^3	m^3		ppm
1	2012/01/16	14:00:00	Travel from 2M 73 to E 52.																
2		14:30:00	Spot test equipment.																
3		15:00:00	Conduct safety meeting.																
4		15:30:00	Rig in test equipment.																
5		17:00:00	Secure equipment for the night.																
6	2012/01/17	07:30:00	Arrive on location attend safety meeting.																
7		08:00:00	Continue rigging in equipment.																
8		12:30:00	Service rig on location.																
9		13:00:00	Waiting on service rig to rig in.																
10		18:00:00	Secure equipment for the night.																
11		18:15:00	End of days operations.																
12	2012/01/18	07:30:00	Arrive on location attend safety meeting.																
13		08:00:00	Continue rigging in service rig.																
14		11:00:00	H_2S = 1.8 %.																
15		15:00:00	Spot and rig in propane skid and vaporizer.																
16		18:45:00	Secure well and equipment for the night.																
17		19:00:00	End of days operations.																
18	2012/01/19	07:30:00	Arrive on location attend safety meeting.																
19		08:00:00		1182		10													
20		08:30:00	Pressure test flowline.																
21		08:45:00	No leaks detected.																
22		09:00:00	H_2S = 1.8 %.																
23		09:15:00	Open well to flow on a 38.1 mm.																
24		09:17:00	Well is no longer flowing.																
25		09:18:00		0		10													
26		09:20:00	Rig up to swab well.																
27		11:30:00	Pressure test lubricator.																

From	2012/01/16 14:00:00	To	2012/01/17 12:00:00
Gas Cum	10^3m^3	Gas Cum	10^3m^3
Oil Cum	m^3	Oil Cum	m^3
Water Cum	m^3	Water Cum	m^3
Cond Cum	m^3	Cond Cum	m^3

Field Measu ients

Company: Paramount Resources
Well / Lease Name: Para et al Cameron E 52
Unique Well ID: 300/E-52/6010-11715/0
Test Type: Swab test

Job Number: FSJ12-010
Formation:
Field: Cameron Hills
Pool:

			Wellhead				Gas Measured Rate Meter					Oil Produced Volume Meter							
	Date	Time	Choke Size	Tubing Press	Tubing Temp	Casing Press	Static Press	Meter Temp	Measured Rate	Gas Rate	Cum Gas	Volume	Cum Fluid	BS&W Cut	Cum BS&W	Oil Gain	Cum Oil	PH	Salinity
	YYYY/MM/DD	HH:mm:ss	mm	kPa(g)	°C	kPa(g)	kPa(g)	°C	$10^3m^3/d$	$10^3m^3/d$	10^3m^3	m^3	m^3	%	m^3	m^3	m^3		ppm
28	2012/01/19	11:35:00	Service rig measuring sand line to create a wrap sheet.																
29		13:45:00	R.I.H to swab.																
30		14:10:00	Swab # 1 Tag - unknown Pull from - 880, No fluid returns.																
31		14:50:00	Unable to run in past 900 m.																
32		15:15:00	Swab # 2 Tag - unknown Pull from - 900, No fluid returns.																
33		15:30:00	Unable to run in past 900 m.																
34		16:00:00	Swab # 3 Tag - unknown Pull from - 900 m, No fluid returns.																
35		16:05:00	Shut down swabbing operations to trouble shoot.																
36		16:20:00	Ice plug in flowline dectected.																
37		16:45:00	Ice plug in flowline removed.																
38		17:30:00	Secure well and equipment for the night.																
39		17:45:00	End of days operations.																
40	2012/01/20	07:30:00	Arrive on location attend safety meeting.																
41		08:00:00	0.000	40	0	10	0	0	0.000	0.000	0.000	0.000	0.000	0	0.00	0.00	0.00	0	0
42		08:15:00	Slick-line on location.																
43		08:45:00	Rig in slick-line.																
44		09:20:00	R.I.H with extended gauge ring.																
45		10:25:00	R.I.H to retrive recorders.																
46		11:40:00	R.I.H with recorders.																
47		12:15:00	Rig out slick-line.																
48		12:20:00	Recalibrate wrap sheet.																
49		13:20:00	Rig up to swab well.																
50		14:15:00	Pressure test lubricator and flowline.																
51		14:25:00	R.I.H to swab.																
52		14:45:00	Swab # 1 Tag - 485 m, Pull from - 845 m, trace of burnable gas.																
53		14:45:00		1	2	10						0.324	0.324	1	0.00	0.32	0.32	7	84000
54		15:00:00	Swab # 2 Tag - 757 m, Pull from - 930 m, trace of burnable gas.																

From	2012/01/18 12:00:00	To	2012/01/19 12:00:00
Gas Cum	10^3m^3	Gas Cum	10^3m^3
Oil Cum	m^3	Oil Cum	m^3
Water Cum	m^3	Water Cum	m^3
Cond Cum	m^3	Cond Cum	m^3

Field Measurements

Company: Paramount Resources
Well / Lease Name: Para et al Cameron E 52
Unique Well ID: 300/E-52/6010-11715/0
Test Type: Swab test

Job Number: FSJ12-010
Formation:
Field: Cameron Hills
Pool:

			Wellhead				Gas Measured Rate Meter					Oil Produced Volume Meter							
	Date	Time	Choke Size	Tubing Press	Tubing Temp	Casing Press	Static Press	Meter Temp	Measured Rate	Gas Rate	Cum Gas	Volume	Cum Fluid	BS&W Cut	Cum BS&W	Oil Gain	Cum Oil	PH	Salinity
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55	2012/01/20	15:00:00		1	2	10						0.356	0.680	15	0.06	0.30	0.62	7	90000
56		15:15:00	Swab # 3 Tag - 845 m, Pull from - 1014 m, trace of burnable gas.																
57		15:15:00		1	4	10						0.529	1.209	60	0.37	0.21	0.83	7	96000
58		15:30:00	Swab # 4 Tag - 930 m, Pull from - 1095 m, trace of burnable gas.																
59		15:30:00		1	4	10						0.429	1.638	90	0.76	0.04	0.88	7	96000
60		15:35:00	Change swab cups.																
61		16:00:00	Swab # 5 Tag - 1014 m, Pull from - 1176 m, trace of burnable gas.																
62		16:00:00		1	4	10						0.887	2.525	95	1.60	0.04	0.92	7	98000
63		16:15:00	Swab # 6 Tag - 1176 m, Pull from - 1331 m, trace of burnable gas.																
64		16:15:00		1	6	15						0.792	3.317	95	2.36	0.04	0.96	7	98000
65		16:20:00	Change swab cups.																
66		16:50:00	Swab # 7 Tag - 1176 m, Pull from - 1331 m, trace of burnable gas.																
67		16:50:00		1	6	15						0.689	4.006	95	3.01	0.03	1.00	7	100000
68		17:15:00	Swab # 8 Tag - 1176 m, Pull from - 1331 m, trace of burnable gas.																
69		17:15:00		1	6	15						0.513	4.519	98	3.51	0.01	1.01	7	104000
70		17:30:00	Swab # 9 Tag - 1176 m, Pull from - 1331 m, trace of burnable gas.																
71		17:30:00		1	6	15						0.512	5.031	98	4.01	0.01	1.02	7	108000
72		17:30:00	H_2S = 1.8 %																
73		17:30:00	End of swabbing operations for the day.																
74		17:30:00	Total swabs pulled - 9 swabs																
75		17:30:00	Total oil produced = 1.021 m^3																
76		17:30:00	Total H_20 recovered = 4.010 m^3																
77		17:35:00	Secure well and equipment for the night.																
78		18:30:00	End of days operations.																
79	2012/01/21	07:30:00	Arrive on location attend safety meeting.																
80		08:00:00		160		15													108000
81		08:30:00	Rig up to swab.																

From	2012/01/20 12:00:00		To	2012/01/21 12:00:00	
Gas Cum		10^3m^3	Gas Cum		10^3m^3
Oil Cum	1.030	m^3	Oil Cum	1.221	m^3
Water Cum	8.237	m^3	Water Cum	8.238	m^3
Cond Cum		m^3	Cond Cum		m^3

Field Measurements

Company: Paramount Resources
Well / Lease Name: Para et al Cameron E 52
Unique Well ID: 300/E-52/6010-11715/0
Test Type: Swab test

Job Number: FSJ12-010
Formation:
Field: Cameron Hills
Pool:

			Wellhead				Gas Measured Rate Meter					Oil Produced Volume Meter							
	Date	Time	Choke Size	Tubing Press	Tubing Temp	Casing Press	Static Press	Meter Temp	Measured Rate	Gas Rate	Cum Gas	Volume	Cum Fluid	BS&W Cut	Cum BS&W	Oil Gain	Cum Oil	PH	Salinity
	YYYY/MM/DD	HH:mm:ss	mm	kPa(g)	°C	kPa(g)	kPa(g)	°C	$10^3m^3/d$	$10^3m^3/d$	10^3m^3	m^3	m^3	%	m^3	m^3	m^3		ppm
82	2012/01/21	08:45:00	Bleed off well																
83		08:48:00		0		15													108000
84		10:05:00	Swab # 1 Tag - 688 m, Pull from - 930 m, trace of burnable gas, H_2S = 1.5 %																
85		10:05:00		1	1	15						0.738	5.769	94	4.71	0.04	1.06	7	106000
86		10:20:00	Swab # 2 Tag - 757 m, Pull from - 930 m, trace of burnable gas. H_2S = 1.5 %																
87		10:20:00		1	1	15						0.703	6.472	96	5.38	0.03	1.09	7	106000
88		10:35:00	Swab # 3 Tag - 845 m, Pull from - 930 m, trace of burnable gas. H_2S = 1.5 %																
89		10:35:00		1	1	15						0.238	6.710	95	5.61	0.01	1.10	7	110000
90		10:55:00	Swab # 4 Tag - 930 m, Pull from - 1095 m, trace of burnable gas. H_2S = 1.5 %																
91		10:55:00		1	2	25						0.594	7.304	95	6.17	0.03	1.13	7	108000
92		11:10:00	Swab # 5 Tag - 930 m, Pull from - 1095 m, trace of burnable gas. H_2S = 1.5 %																
93		11:10:00		1	2	25						0.359	7.663	95	6.51	0.02	1.15	7	110000
94		11:45:00	Swab # 6 Tag - 1014 m, Pull from - 1331 m, trace of burnable gas. H_2S = 1.5 %																
95		11:45:00		1	2	25						1.053	8.716	96	7.53	0.04	1.19	7	106000
96		12:00:00	Swab # 7 Tag - 1014 m, Pull from - 1331 m, trace of burnable gas. H_2S = 1.5 %																
97		12:00:00		1	2	25						0.743	9.459	96	8.24	0.03	1.22	7	104000
98		12:15:00	Swab # 8 Tag - 1095 m, Pull from - 1331 m, trace of burnable gas. H_2S = 1.5 %																
99		12:15:00		1	2	50						0.495	9.954	97	8.72	0.01	1.24	7	110000
100		12:40:00	Swab # 9 Tag - 1095 m, Pull from - 1331 m, trace of burnable gas. H_2S = 1.5 %																
101		12:40:00		1	2	100						0.370	10.324	97	9.08	0.01	1.25	7	108000
102		12:55:00	Swab # 10 Tag - 1176 m, Pull from - 1331 m, trace of burnable gas. H_2S = 1.5 %																
103		12:55:00		1	2	150						0.369	10.693	96	9.43	0.01	1.26	7	110000
104		13:10:00	Swab # 11 Tag - 1176 m, Pull from - 1331 m, trace of burnable gas. H_2S = 1.5 %																
105		13:10:00		1	4	200						0.323	11.016	96	9.74	0.01	1.27	7	110000
106		13:25:00	Swab # 12 Tag - 1176 m, Pull from - 1331 m, trace of burnable gas. H_2S = 1.5 %																
107		13:25:00		1	4	250						0.366	11.382	97	10.10	0.01	1.29	7	110000
108		13:55:00	Swab # 13 Tag - unknown , Pull from - 1331 m, trace of burnable gas. H_2S = 1.2 %																

From	2012/01/20 12:00:00		To	2012/01/21 12:00:00	
Gas Cum		10^3m^3	Gas Cum		10^3m^3
Oil Cum	1.030	m^3	Oil Cum	1.221	m^3
Water Cum	8.237	m^3	Water Cum	8.238	m^3
Cond Cum		m^3	Cond Cum		m^3

Field Measu[illegible]ents

Company: Paramount Resources
Well / Lease Name: Para et al Cameron E 52
Unique Well ID: 300/E-52/6010-11715/0
Test Type: Swab test

Job Number: FSJ12-010
Formation:
Field: Cameron Hills
Pool:

			Wellhead				Gas Measured Rate Meter					Oil Produced Volume Meter							
	Date	Time	Choke Size	Tubing Press	Tubing Temp	Casing Press	Static Press	Meter Temp	Measured Rate	Gas Rate	Cum Gas	Volume	Cum Fluid	BS&W Cut	Cum BS&W	Oil Gain	Cum Oil	PH	Salinity
	YYYY/MM/DD	HH:mm:ss	mm	kPa(g)	℃	kPa(g)	kPa(g)	℃	$10^3m^3/d$	$10^3m^3/d$	10^3m^3	m^3	m^3	%	m^3	m^3	m^3		ppm
109	2012/01/21	13:55:00		1	4	300						0.526	11.908	96	10.60	0.02	1.31	7	114000
110		14:15:00	Swab # 14 Tag - unknown , Pull from - 1331 m, trace of burnable gas. H_2S = 1.2 %																
111		14:15:00		1	4	350						0.240	12.148	95	10.83	0.01	1.32	7	114000
112		14:30:00	Swab # 15 Tag - unknown , Pull from - 1331 m, trace of burnable gas. H_2S = 1.2 %																
113		14:30:00		1	4	400						0.357	12.505	96	11.17	0.01	1.33	7	112000
114		14:50:00	Swab # 16 Tag - unknown , Pull from - 1331 m, trace of burnable gas. H_2S = 1.2 %																
115		14:50:00		1	4	450						0.217	12.722	96	11.38	0.01	1.34	7	112000
116		15:05:00	Swab # 17 Tag - unknown , Pull from - 1331 m, trace of burnable gas. H_2S = 1.2 %																
117		15:05:00		1	4	500						0.218	12.940	96	11.59	0.01	1.35	7	112000
118		15:30:00	Swab # 18 Tag - unknown , Pull from - 1331 m, trace of burnable gas. H_2S = 1.2 %																
119		15:30:00		1	4	550						0.265	13.205	95	11.84	0.01	1.36	7	112000
120		15:40:00	7.849 m^3 transfered to fluid truck.																
121		15:45:00	Swab # 19 Tag - unknown , Pull from - 1331 m, trace of burnable gas. H_2S = 1.2 %																
122		15:45:00		1	4	600						0.158	13.363	96	11.99	0.01	1.37	7	110000
123		16:00:00	Swab # 20 Tag - unknown , Pull from - 1331 m, trace of burnable gas. H_2S = 1.2 %																
124		16:00:00		1	4	650						0.238	13.601	97	12.22	0.01	1.38	7	110000
125		16:15:00	Swab # 21 Tag - unknown , Pull from - 1331 m, trace of burnable gas. H_2S = 1.2 %																
126		16:15:00		1	4	700						0.239	13.840	97	12.46	0.01	1.38	7	110000
127		16:30:00	Swab # 22 Tag - unknown , Pull from - 1331 m, trace of burnable gas. H_2S = 1.2 %																
128		16:30:00		1	4	750						0.240	14.080	95	12.68	0.01	1.40	7	112000
129		16:45:00	Swab # 23 Tag - unknown , Pull from - 1331 m, trace of burnable gas. H_2S = 1.2 %																
130		16:45:00		1	4	800						0.276	14.356	96	12.95	0.01	1.41	7	112000
131		17:00:00	Swab # 24 Tag - unknown , Pull from - 1331 m, trace of burnable gas. H_2S = 1.2 %																
132		17:00:00		1	4	850						0.245	14.601	96	13.18	0.01	1.42	7	112000
133		17:25:00	Swab # 25 Tag - unknown , Pull from - 1331 m, trace of burnable gas. H_2S = 1.2 %																
134		17:25:00		1	4	900						0.375	14.976	96	13.54	0.01	1.43	7	112000
135		17:40:00	Swab # 26 Tag - unknown , Pull from - 1331 m, trace of burnable gas. H_2S = 1.2 %																

From	2012/01/21 12:00:00		**To**	2012/01/22 12:00:00	
Gas Cum		10^3m^3	**Gas Cum**		10^3m^3
Oil Cum	0.565	m^3	**Oil Cum**	1.786	m^3
Water Cum	9.852	m^3	**Water Cum**	18.090	m^3
Cond Cum		m^3	**Cond Cum**		m^3

Field Measu ents

Company: Paramount Resources
Well / Lease Name: Para et al Cameron E 52
Unique Well ID: 300/E-52/6010-11715/0
Test Type: Swab test

Job Number: FSJ12-010
Formation:
Field: Cameron Hills
Pool:

			Wellhead				Gas Measured Rate Meter					Oil Produced Volume Meter							
	Date	Time	Choke Size	Tubing Press	Tubing Temp	Casing Press	Static Press	Meter Temp	Measured Rate	Gas Rate	Cum Gas	Volume	Cum Fluid	BS&W Cut	Cum BS&W	Oil Gain	Cum Oil	PH	Salinity
	YYYY/MM/DD	HH:mm:ss	mm	kPa(g)	°C	kPa(g)	kPa(g)	°C	$10^3m^3/d$	$10^3m^3/d$	10^3m^3	m^3	m^3	%	m^3	m^3	m^3		ppm
136	2012/01/21	17:40:00		1	4	950						0.290	15.266	95	13.82	0.01	1.45	7	112000
137		17:40:00	Cumulative swabs pulled = 35 swabs																
138		17:40:00	Daily swabs pulled = 26 swabs																
139		17:40:00	Cumulative oil produced = 1.45 m^3.																
140		17:40:00	Daily oil produced = 0.430 m^3.																
141		17:40:00	Cumulative water produced = 13.820 m^3.																
142		17:40:00	Daily water produced = 8.789 m^3.																
143		17:45:00	Secure well and equipment for the night.																
144		18:15:00	End of days operations.																
145	2012/01/22	07:30:00	Arrive on loation attend safety meeting.																
146		08:00:00		400		160	0	0	0.000	0.000	0.000	0.000	15.266	0	13.82	0.00	1.45	0	
147		08:15:00	Rig up to swab.																
148		08:30:00	Bleed off tubing pressure.																
149		08:33:00		0	2	160													96000
150		09:45:00	Swab # 1 Tag - 757 m, Pull from - 1014 m, trace of burnable gas, H_2S = 1.2 %																
151		09:45:00		1	2	200						0.730	15.996	80	14.40	0.15	1.59	7	96000
152		10:00:00	Swab # 2 Tag - 845 m, Pull from - 1014 m, trace of burnable gas, H_2S = 1.2 %																
153		10:00:00		1	2	300						0.602	16.598	90	14.95	0.06	1.65	7	98000
154		10:15:00	Swab # 3 Tag - 845 m, Pull from - 1014 m, trace of burnable gas, H_2S = 1.2 %																
155		10:15:00		1	2	450						0.465	17.063	95	15.39	0.02	1.68	7	100000
156		10:30:00	Swab # 4 Tag - 930 m, Pull from - 1095 m, trace of burnable gas, H_2S = 1.2 %																
157		10:30:00		1	2	600						0.371	17.434	95	15.74	0.02	1.69	7	104000
158		10:45:00	Swab # 5 Tag - 930 m, Pull from - 1095 m, trace of burnable gas, H_2S = 1.2 %																
159		10:45:00		1	2	700						0.371	17.805	96	16.10	0.01	1.71	7	104000
160		11:00:00	Swab # 6 Tag - 1014 m, Pull from - 1176 m, trace of burnable gas, H_2S = 1.2 %																
161		11:00:00		1	2	800						0.493	18.298	96	16.57	0.02	1.73	7	108000
162		11:15:00	Swab # 7 Tag - 1095 m, Pull from - 1331 m, trace of burnable gas, H_2S = 1.2 %																

From	2012/01/21 12:00:00		To	2012/01/22 12:00:00	
Gas Cum		10^3m^3	Gas Cum		10^3m^3
Oil Cum	0.565	m^3	Oil Cum	1.786	m^3
Water Cum	9.852	m^3	Water Cum	18.090	m^3
Cond Cum		m^3	Cond Cum		m^3

Field Measu ients

Company: Paramount Resources
Well / Lease Name: Para et al Cameron E 52
Unique Well ID: 300/E-52/6010-11715/0
Test Type: Swab test

Job Number: FSJ12-010
Formation:
Field: Cameron Hills
Pool:

			Wellhead				Gas Measured Rate Meter					Oil Produced Volume Meter							
	Date	Time	Choke Size	Tubing Press	Tubing Temp	Casing Press	Static Press	Meter Temp	Measured Rate	Gas Rate	Cum Gas	Volume	Cum Fluid	BS&W Cut	Cum BS&W	Oil Gain	Cum Oil	PH	Salinity
	YYYY/MM/DD	HH:mm:ss	mm	kPa(g)	°C	kPa(g)	kPa(g)	°C	$10^3m^3/d$	$10^3m^3/d$	10^3m^3	m^3	m^3	%	m^3	m^3	m^3		ppm
163	2012/01/22	11:15:00		1	4	850						0.612	18.910	97	17.16	0.02	1.75	7	112000
164		11:30:00	Swab # 8 Tag - 1095 m, Pull from - 1331 m, trace of burnable gas, H_2S = 1.2 %																
165		11:30:00		1	4	900						0.464	19.374	96	17.61	0.02	1.77	7	114000
166		12:00:00	Swab # 9 Tag - 1176 m, Pull from - 1331 m, trace of burnable gas, H_2S = 1.2 %																
167		12:00:00		1	4	950						0.502	19.876	96	18.09	0.02	1.79	7	112000
168		12:05:00	Lay lubricator over to change out saber-head rubbers.																
169		12:35:00	Swab # 10 Tag - 1176 m, Pull from - 1331 m, trace of burnable gas, H_2S = 1.2 %																
170		12:35:00		1	4	1000						0.592	20.468	97	18.66	0.02	1.80	7	114000
171		12:50:00	Swab # 11 Tag - 1254 m, Pull from - 1331 m, trace of burnable gas, H_2S = 1.2 %																
172		12:50:00		1	4	1050						0.233	20.701	97	18.89	0.01	1.81	7	114000
173		13:00:00	Obtain two water and two oil samples for analysis.																
174		13:05:00	Swab # 12 Tag - 1254 m, Pull from - 1331 m, trace of burnable gas, H_2S = 1.3 %																
175		13:05:00		1	4	1100						0.348	21.049	96	19.22	0.01	1.82	7	114000
176		13:20:00	Swab # 13 Tag - 1254 m, Pull from - 1331 m, trace of burnable gas, H_2S = 1.3 %																
177		13:20:00		1	4	1100						0.229	21.278	97	19.45	0.01	1.83	7	114000
178		13:35:00	Swab # 14 Tag - 1254 m, Pull from - 1331 m, trace of burnable gas, H_2S = 1.3 %																
179		13:35:00		1	4	1050						0.338	21.616	96	19.77	0.01	1.84	7	114000
180		13:35:00	API = 34 @ 60° F.																
181		13:40:00	End of swabbing operations.																
182		13:40:00	Cumulative swabs pulled = 49 swabs																
183		13:40:00	Daily swabs pulled = 14 swabs																
184		13:40:00	Cumulative oil produced = 1.845 m^3.																
185		13:40:00	Daily oil produced = 0.390 m^3.																
186		13:40:00	Cumulative water produced = 19.771 m^3.																
187		13:40:00	Daily water produced = 5.950 m^3.																
188		13:45:00	End of job, rig out test equipment.																
189																			

From	2012/01/21 12:00:00		To	2012/01/22 12:00:00	
Gas Cum		10^3m^3	Gas Cum		10^3m^3
Oil Cum	0.565	m^3	Oil Cum	1.786	m^3
Water Cum	9.852	m^3	Water Cum	18.090	m^3
Cond Cum		m^3	Cond Cum		m^3

Field Measu ents

Company: Paramount Resources
Well / Lease Name: Para et al Cameron E 52
Unique Well ID: 300/E-52/6010-11715/0
Test Type: Swab test

Job Number: FSJ12-010
Formation:
Field: Cameron Hills
Pool:

			Wellhead				Gas Measured Rate Meter					Oil Produced Volume Meter							
	Date	Time	Choke Size	Tubing Press	Tubing Temp	Casing Press	Static Press	Meter Temp	Measured Rate	Gas Rate	Cum Gas	Volume	Cum Fluid	BS&W Cut	Cum BS&W	Oil Gain	Cum Oil	PH	Salinity
	YYYY/MM/DD	HH:mm:ss	mm	kPa(g)	°C	kPa(g)	kPa(g)	°C	$10^3m^3/d$	$10^3m^3/d$	10^3m^3	m^3	m^3	%	m^3	m^3	m^3		ppm
190																			
191																			
192																			
193																			

From		To	
Gas Cum	10^3m^3	Gas Cum	10^3m^3
Oil Cum	m^3	Oil Cum	m^3
Water Cum	m^3	Water Cum	m^3
Cond Cum	m^3	Cond Cum	m^3