



## Daily Operations Report (Drilling Onshore)

Operator: EQUION ENERGIA LIMITED

Event Type: DRILLING ONSHORE

Report no.: 12

Well/Wellbore No.: Floreña Ip-10/OH

Event Objective: DEVELOPMENT

Report date: 21/10/2013

Well Type: DEVELOPMENT

Site: Floreña I

Job Number:

Rig Name/No.: H&amp;P/152

## Current Well Status

Depth MD:	5.448,0 (ft)	Casing Size:	20,000(in)	AFE No.:	E.DD1.12/06	Rig Accept:	04:43:00p.m. 10/10/2013
Est TVD:	5.447,9 (ft)	Casing(MD):	2.244,0(ft)	AFE Cost:	52.607.245	Rig Release:	
Progress:	0,0 (ft)	Next Casing Size:	13,375 (in)	Cost in:	USD	Spud Date:	28/09/2013
Auth Depth:	17.272,1 (ft)	Next Casing(MD):	6.000,0 (ft)	Exchange Rate:	1900	Ground Elevation:	2.195,1 (ft)
Hole Size:	17.500 (in)	Next Casing(TVD):		Daily Mud:	10.937	KB Elev:	2232 (ft)
Elev Ref:	Floreña IP10 @2.231,5ft (above Mean Sea Level)			Cum. Mud:	241.387	Wellbore Max Angle:	1,10
Geologist:				Daily Well:	176.700		
Engineer:	Diego Andres Ojeda Vargas			Cum. Well:	3.516.350	Est Days:	238,00 days
Day WSL:	Alexander Cuellar					Rig. Days:	173,00 days
Night WSL:	Javier Eduardo Ramirez					Days ahead:	1,20 days
Weather:	Sunny					Cost ahead:	944,752.00 USD

Current Status: Working string at 2,725 ft.

24 Hr Summary: Reamed from 4,563 ft to 3,362 ft. PackOff String. Worked string. Recovered normal parms &amp; free string. Reamed from 3,362 ft to 2,693 ft.

24 Hr Forecast: Working String. Recover normal circulation parameters, free string. Continue POOH BHA # 3. LD BHA # 3. PU, MU &amp; RIH BHA # 4 from surface to bottom. Continue drilling 17 1/2 Hole Section.

Update at 06:00: PackOff String. Worked string from 2,936 ft to 2,725 ft. Jarring Down. Recovered partial returns. Continued working string

Comments: No Incident, No accidents, No spills.  
Allocations total (perf): 358,754 USD \$  
Total Well Cost (Mob+perf): 5,197,579 USD \$  
Variances  
Total days: 1.2 Days Saved  
Total Costs: 944,752 USD Saved.

## Cost and AFE Summary by AFE

Event Type	AGSP	Afe Total	Cum Cost	Difference	Expenditure (%)
MOBILIZATION	E.DD1.12/06	\$ 2,700,000.00	\$ 3,333,969.38	\$-633,969.38	123,48
MOBILIZATION	E.DD1.12/06	\$ 1,700,000.00	\$ 1,681,228.92	\$ 18,771.08	98,90
DRILLING ONSHORE	E.DD1.12/06	\$ 52,607,245.00	\$ 3,516,349.96	\$ 49,090,895.04	6,68
Total		\$ 57,007,245.00	\$ 8,531,548.26	\$ 48,475,696.74	

## HSE / Performance Measure and Well Control

Days Since Last DAFW:	5,451	(days)			
No. Recordables:	0 / 0	(day/cum)	No. Stop Cards:	71 / 651	(day/cum)
No. First Aid Cases:	0 / 0	(day/cum)	No. Permit to Work:	22 / 203	(day/cum)
Near Misses:	0 / 0	(day/cum)	No. Contacto Cards:	21 / 157	(day/cum)
Last Csg Test Press:	700,00	(psi)	Audit to PTW:	1 / 10	(day/cum)
Incident Details:					
Last BOP Pressure Test :	17/10/2013 12:00:00a.m.				
Next BOP Pressure Test :	31/10/2013 12:00:00a.m.				
Last Fire Drill:	02/10/2013 12:00:00a.m.		Last Safety Inspection:	30/09/2013 12:00:00a.m.	
Last Evacuation Drill:			Last Safety Meeting:	19/10/2013 12:00:00a.m.	
Last Weekly Rig Check:	30/09/2013 12:00:00a.m.		Last Guerrilla Attack Drill:		
Last Spill Drill :			Last Emergency Medical Drill:	13/10/2013 12:00:00a.m.	

Kick Tolerance (ppg) 9,8  
Kick Volume (bbls) 47,6

Last Pit Drill:  
Last Trip Drill: 11/08/2013 12:00:00a.m.  
Last Diverter Drill:  
Last Cum Drill: 17/10/2013 12:00:00a.m.  
Last H2S Drill:

LOT TVD:	2260	BHP:	1475 @2260	MAASSP:	34,80 (psi)
LOT EMW:	12,57	Test Pressure:	360		

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No.	Slow Pump Rates (Circ)		Slow Pump Rates (Choke)		Slow Pump Rates (Kill)	
	Stroke Rate	Pressure (psi)	Stroke Rate	Pressure (psi)	Stroke Rate	Pressure (psi)

No Pump Operations with Slow Pump Rates

**Hole Section**

Section Name	Section type	Effective hole diameter (in)	MD(ft)		Hole section start date/time	Hole section end date/time
			Top	Base		
30" Casing Conductor	Open Hole	30,000	0	124	10/10/2013 12:00p.m.	10/10/2013 12:00p.m.
26" Open Hole Sectio	Open Hole	26,000	124	2250	10/10/2013 12:00p.m.	18/10/2013 12:00a.m.
17 1/2" Hole Section	Open Hole	17,500	2251	5448	18/10/2013 12:00a.m.	

**Operational Parameters**

ROP Daily: 0,00 (ft/hr) Cum Prog : 3.191,88 (ft) Daily Bit Hours: 0,00 (hr)  
Avg ROP : 0,00 (ft/hr) Rotating Weight: 285,00 (kip) Daily Drilling Hrs: 0,00 (hr)  
ROP Cum: 88,42 (ft/hr) Pick Up Wt: 294,00 (kip) Cum Bit Hrs: 36,10 (hr)  
WOB (min): 0 (kip) Slack Off Wt: 240,00 (kip)  
WOB (max): 0 (kip)  
Min RPM: 0 (rpm) Circ Rate Hole: 1.050,00 (gpm) Ann. Vel. DC: 42,33 (ft/min)  
Max RPM: 120 (rpm) Circ On Bottom: 3.180 (psi) Ann. Vel. DP: 40,12 (ft/min)  
Torque on Bottom: 0 (ft-lbf) Torque off Bottom: 8.000 (ft-lbf) Jar Hrs since Inspect: 68,20 (hr)

**Pump Status - Drilling**

No.	Operation Type	Efficiency (%)	SPM (spm)	Liner size (in)	Circ. Rate (gpm)
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**Bit Details**

Bit No	Run-No	Size	Manuf.	Model	Type	Serial #	Nozzles	TFA	Depth In(ft)	Depth Out(ft)
3	1	17,500	NATIONAL OILWELL VARCO	RSFX819M	Polycrystalline Diamond Bit	AI84838	8X12	0.880	2.250,0	
Cum Prog (ft)		RPM Min/Max	WOB Min/Max	Daily Hrs.	Hours Cum	ROP Cum	Condition			
3.191,9		0/120	0/0	0,00	36,10	88,42				



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## BHA

BHA No.: BHA # 3		Wash Pipe Hrs	237,70	TMD In:		2.250,0 (ft)		BHA Weight:		80 / 113		
Workstring Purpose: DRILL/DRESS CEM		Saver Sub Hrs:	443,70	TMD Out:						BHA Hrs: 68,20		
Component	Component Type	Component Detail	Jts	Length (ft)	Cum Length (ft)	OD (in)	ID (in)	Blade OD (in)	Bend Angle (°)	Connection		P/B
										Size (in)	Type	
Bit	Polycrystalline Diamond Bit	17 1/2" New PDC Drill Bit NOV Model SKFX819M (Nozzles 8 x 12/32", TFA: 0.884)	1	1,47	1,47	18,500	3,062			7,625	REG	P
MWD	Auto Track	17 1/2" Autotrack 7 5/8 Reg Box x 9 1/2" T2 Box.	1	8,28	9,75	9,500	3,125			9,500	T2	BB
Sub	Float Sub	9 1/2" CoPilot 9 1/2" T2 Pin x 7 5/8" Reg Box.	1	7,49	17,24	9,625	3,062			7,625	REG-LT	PB
Stabilizer	Steerable Stabilizer	17 3/8" Mod Stab 7 5/8" Reg Pin x 9 1/2" T2 Box	1	5,84	23,08	9,500	3,062	17,375		9,500	T2	PB
Stabilizer	Steerable Stabilizer	11 13/16 OnTrack 9 1/2" T2 Pin x 7 5/8" Reg FH Box.	1	22,97	46,05	9,500	3,062	11,812		7,625	FH	PB
MWD	BCPM	9 7/16 BCPM 7 5/8" Reg FH Pin x 7 5/8" Reg LT Box.	1	12,03	58,08	9,500	3,062			7,625	REG LT	PB
Stabilizer	Steerable Stabilizer	17 3/8" Mod Stab7 5/8" Reg LT Pin x Box.	1	5,93	64,01	9,500	3,000	17,375		7,625	REG-LT	PB
MWD	Sensor Sub	9 7/16" SoundTrack 7 5/8" Reg LT Pin x Box.	1	32,74	96,75	9,500	3,500			7,625	REG LT	PB
Sub		9 1/2 Non Magnetic Stop Sub 7 5/8" Reg LT Pin x Box.	1	2,45	99,20	9,500	3,062			7,625	REG-LT	PB
Sub	Float Sub	9 1/2 Float Sub 7 5/8" Reg LT Pin x Box.	1	3,12	102,32	9,500	3,625			7,625	REG LT	PB
Sub	Filter Sub	9 1/2 Filter Sub 7 5/8" Reg LT Pin x Box.	1	5,50	107,82	9,500	3,250			7,625	REG LT	PB
Stabilizer	Integral Blade Stabilizer	17 1/4" String Stab 7 5/8" Reg LT Pin x Box.	1	6,08	113,90	9,500	3,062	17,250		7,625	REG-LT	PB
Drill Collar	Drill Collar	6 x 9 1/2" Drill Collar 7 5/8" Reg LT Pin x Box.	6	182,32	296,22	9,500	3,125			7,625	REG-LT	PB
Sub	Cross Over	Crossover 7 5/8" Reg LT Pin x 6 5/8" Reg Box	1	3,68	299,90	8,250	3,000			6,625	REG	PB
Drill Collar	Spiral Drill Collar	6 x 8 1/4" Drill Collar 6 5/8" Reg Pin x Box.	6	182,30	482,20	8,250	2,750			6,625	REG	PB
Sub	Cross Over	Crossover 6 5/8" Reg Pin x XT57 Box.	1	3,58	485,78	8,250	2,875			5,875	XT57	PB
Heavy Weight	Heavy Weight Drill Pipe	5 x 5 7/8" HWDP XT57 Pin x Box.	5	153,38	639,16	5,625	4,125			5,875	XT57	PB
Sub	Cross Over	Crossover XT57 Pin x 6 5/8" Reg Box	1	2,34	641,50	8,000	2,275			6,625	REG	PB
Jar	Drilling Jar	8" Hydraulic Jar 6 5/8" Reg Pin x Box	1	33,50	675,00	8,000	3,000			6,625	REG	PB

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BHA No.: BHA # 3

Wash Pipe Hrs 237,70

TMD In: 2.250,0 (ft)

BHA Weight:

80 / 113

Workstring Purpose: DRILL/DRESS CENSaver Sub Hrs:

443,70

TMD Out:

BHA Hrs: 68,20

Component	Component Type	Component Detail	Jts	Length (ft)	Cum Length (ft)	OD (in)	ID (in)	Blade OD (in)	Bend Angle (°)	Connection		P/B
										Size (in)	Type	
Sub	Cross Over	Crossover 6 5/8" Reg Pin x XT57 Box.	1	3,36	678,36	8,125	2,750			5,875	XT57	PB
Heavy Weight	Heavy Weight Drill Pipe	12 x 5 7/8" HWDP XT57 Pin x Box.	12	368,15	1.046,51	5,625	4,125			5,875	XT57	PB
Sub	Cross Over	Crossover 6 5/8" Reg Pin x XT57 Box	1	3,40	1.049,91	9,500	2,275			6,625	REG	PB
Accelerator	Accelerator	8" Accelerator 6 5/8" Reg Pin x Box	1	34,48	1.084,39	8,000	3,062			6,625	REG	PB
Sub	Cross Over	Crossover XT57 Pin x 6 5/8" Reg Box	1	3,75	1.088,14	8,000	2,275			5,875	XT57	PB
Heavy Weight	Heavy Weight Drill Pipe	3 X 5 7/8" HWDP XT57 pin X box.	3	92,01	1.180,15	5,625	4,125			5,875	XT57	PB
Sub	Restrictor Sub	6" Dart Sub XT57 Pin x Box.	1	2,88	1.183,03	6,000	2,516			5,875	XT57	PB
Drill Pipe	Drill Pipe	5 7/8" DP XT57 Pin x BOx	35	4.264,97	5.448,00	5,875	5,045			5,875	XT57	PB



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## Drilling Fluid

<b>Mud Type:</b> Oil	10 sec Gels: 18,00	Ca: 80,00	ES: 924,0 (Volts)
Time: 21/10/2013 05:01:00a.m	10 min Gels: 22,00	K+: 0,00	Solids : 11,49 (%)
Depth: 5.448,00	Fluid Loss: 0,0 (cc/30min)	CaCl2: 9,20	Oil : 68,00 (%)
FL Temp: 150,00 (°F)	HTHP Temp: 250,00 (°F)	NaCl: 0,00	Water : 20,00 (%)
Density: 9,80 (ppg)	HTHP WL: 1,80 (cc/30mins)	Cl-: 250,00	Oil/Water: 23,00/77,00
Funnel Visc: 85,00 (s/qt)	Cake: 0,00	Sand : 0,10	Lost Downhole (bbl):
ECD: 9,93	MBT: 25,00	HGS: 63,28	Lost Surface (bbl): 200,00
PV: 27,00 (cp)	Lime: 2,70	LGS: 75,65 (lbm/bbl)	
YP: 27,00 (Lbf/100ft2)	PM : 0,70	Pf/Mf : 0,20 / 0,90	
WB Daily Cuttings:	OB Daily Cuttings:		
Cum: 0,0 (bbl)	Cum: 0,0 (bbl)		

<b>Mud Type:</b> Oil	10 sec Gels: 18,00	Ca: 80,00	ES: 907,0 (Volts)
Time: 21/10/2013 02:01:00p.m	10 min Gels: 22,00	K+: 0,00	Solids : 11,49 (%)
Depth: 5.448,00	Fluid Loss: 0,0 (cc/30min)	CaCl2: 9,20	Oil : 68,00 (%)
FL Temp: 150,00 (°F)	HTHP Temp: 250,00 (°F)	NaCl: 0,00	Water : 20,00 (%)
Density: 9,80 (ppg)	HTHP WL: 1,80 (cc/30mins)	Cl-: 250,00	Oil/Water: 23,00/77,00
Funnel Visc: 82,00 (s/qt)	Cake: 0,00	Sand : 0,10	Lost Downhole (bbl):
ECD: 9,93	MBT: 25,00	HGS: 63,28	Lost Surface (bbl): 200,00
PV: 27,00 (cp)	Lime: 2,70	LGS: 75,65 (lbm/bbl)	
YP: 27,00 (Lbf/100ft2)	PM : 0,70	Pf/Mf : 0,20 / 0,90	
WB Daily Cuttings:	OB Daily Cuttings:		
Cum: 0,0 (bbl)	Cum: 0,0 (bbl)		

<b>Mud Type:</b> Oil	10 sec Gels: 18,00	Ca: 80,00	ES: 915,0 (Volts)
Time: 21/10/2013 11:01:00p.m	10 min Gels: 22,00	K+: 0,00	Solids : 11,49 (%)
Depth: 5.448,00	Fluid Loss: 0,0 (cc/30min)	CaCl2: 9,20	Oil : 68,00 (%)
FL Temp: 150,00 (°F)	HTHP Temp: 250,00 (°F)	NaCl: 0,00	Water : 20,00 (%)
Density: 9,80 (ppg)	HTHP WL: 1,80 (cc/30mins)	Cl-: 250,00	Oil/Water: 23,00/77,00
Funnel Visc: 85,00 (s/qt)	Cake: 0,00	Sand : 0,10	Lost Downhole (bbl):
ECD: 9,93	MBT: 25,00	HGS: 63,28	Lost Surface (bbl): 200,00
PV: 27,00 (cp)	Lime: 2,70	LGS: 75,65 (lbm/bbl)	
YP: 27,00 (Lbf/100ft2)	PM : 0,70	Pf/Mf : 0,20 / 0,90	
WB Daily Cuttings:	OB Daily Cuttings:		
Cum: 0,0 (bbl)	Cum: 0,0 (bbl)		

## Operation Summary

From - To	Md From / Md To(ft)	Dur. (hr)	Phase	Activity	Code	Operation
0:00 — 5:15	4,563.00 — 4,552.00	5.3	DIN1	REAM	D	Backreamed from 4,563 ft to 4,552 ft with 1,000 gpm - 3,250 psi ; 100 / 130 rpm - 5 / 10 Klb-ft of TQ.  Cavings rate: 5.2 bls / hr. Size Range: 20 - 50 mm. Avg Size: 10 mm. Morphology: Blky 100 % - Tab 0 % - Rew 0 % - Ang 0 %
5:15 — 6:45	4,552.00 — 4,552.00	1.5	DIN1	CIRC	D	ECD: 10.16 ppg at 05:00 Hr. Pumping Hi-Visc Pill 45 bbls of with 390 gpm - 590 psi and displaced with 1,000 gpm - 3,180 psi. Reciprocated string up and down.

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### Operation Summary

From - To	Md From / Md To(ft)	Dur. (hr)	Phase	Activity	Code	Operation
						Cavings rate before pill : 4.0 bls / hr. Cavings rate during pill : 6.0 bls / hr. Cavings rate after pill : 2.0 bls / hr.  ECD: 10.24 ppg at 05:15 Hr. ECD: 10.00 ppg at 06:30 Hr.
6:45 — 7:45	4,552.00 — 3,362.00	1.0	DIN1	REAM	D	Backreamed from 4,552 ft to 3,362 ft with 1,010 gpm - 3,270 psi ; 40 / 60 rpm - 4 / 5 Klb-ft of TQ. Performed connection, attempted PU string, started pumps and observed pressure increas to 1,100 psi suddenly.
7:45 — 9:45	3,362.00 — 3,362.00	2.0	DIN1	WSPI	D	ECD: 10.08 ppg at 07:15 Hr Worked string at 3,362 ft attempting re-establishing circulation working string between PUW & SOW. However meanwhile circulated lost returns and injected 19 bbls to fomation, bleed off pressure slowly to zero and observed pressure increase from zero to 670 psi without circulation. Aligned retruns line to trip tank and recovered slowly the injected fluid to formation.
9:45 — 12:30	3,362.00 — 3,393.00	2.8	DIN1	WSPI	D	PU & MU Single DP and worked string jarring down with 30 Klb 4 times, move downwards from 3,362 ft to 3,393 ft.  PU & MU second single DP and worked string with 50 Klb of OP and 70 Klb of SOW between 3,393 ft to 3,373 ft and drained pressure through stand pipe to 400 psi. Meanwhile worked string with 40 Klb of OP and 70 Klb SOW, pressure trapped 250 psi. Observed returns.
12:30 — 14:45	3,361.00 — 3,361.00	2.3	DIN1	CIRC	D	Observed pressure drop to 40 psi, proceded to turn on pumps and pumped initially with 2 gpm and increased in stages to 222 SPM - 1,000 gpm - 3,180 psi monitoring circulation parameters and returns. Recovered full circulating.
14:45 — 15:15	3,361.00 — 3,361.00	0.5	DIN1	CCON	D	Continued circulating with with 1,010 gpm - 3,180 psi.
15:15 — 16:45	3,361.00 — 3,257.00	1.5	DIN1	REAM	D	ECD: 9.88 ppg at 15:00 Hr. Backreamed from 3,361 ft to 3,257 ft with 1,000 gpm - 3,180 psi ; 90 / 110 rpm - 5 / 6 Klb-ft of TQ.  Cavings rate: 0.8 bls / hr. Size Range: 5 - 20 mm. Avg Size: 12 mm. Morphology: Blky 80 % - Tab 5 % - Rew 10 % - Ang 5 %.
16:45 — 18:45	3,257.00 — 3,257.00	2.0	DIN1	CIRC	D	ECD: 9.88 ppg at 16:30 Hr. Circulated bottoms up with 1,000 gpm - 3,180 psi. Reciprocated string up and down. Pumped 45 bbl of Hi-Visc Pill with 425 gpm - 880 psi and displaced with 1,000 gpm - 3,185 psi.  Cavings rate before pill : 1.9 bls / hr. Cavings rate during pill : 1.5 bls / hr. Cavings rate after pill : 1.0 bls / hr.  ECD: 9.88 ppg at 17 :00 Hr. ECD: 9.96 ppg at 18:300 Hr.  Meanwhile Held safety meeting with new crew prior to continued POOH BHA # 3. Discussed procedures, review

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18:45 — 22:00	3,257.00 — 2,815.00	3.3	DIN1	REAM	D	JSA and assigned R&R. Backreamed from 3,257 ft to 2,815 ft with 1,000 gpm - 3,180 psi ; 90 / 110 rpm - 5 / 6 Klb-ft of TQ.
22:00 — 22:30	2,815.00 — 2,815.00	0.5	DIN1	CIRC	D	ECD: 10.28 ppg at 22:00 Hr. Circulated with 1,000 gpm - 3,050 psi. Reciprocated string up and down.
22:30 — 0:00	2,815.00 — 2,693.00	1.5	DIN1	POOH	D	ECD: 10.20 ppg at 22:30 Hr. Pumped Out from 2,815 ft to 2,693 ft with 1,000 gpm - 3,050 psi. Observed pressure increase to 3,400 psi.  ECD: 10.28 ppg at 23:30 Hr.  Daily metal shavings: 77 grs. Total 17 1/2" metal shavings: 715 grs. Cavings rate: 1.4 bls / hr. Daily Cavings: 21.9 bbl. Max Caving Rate: 6.0 bbl/hr. Size Range: 5 - 60 mm. Av Size: 14 mm. Morphology: Tab 15 % - 70 % Blky - 10% Rwk - 5% Ang Daily mud losses: 0 bls. Total 17 1/2" mud losses: 0 bls

**06:00 Update**

From - To	Md From / Md To(ft)	Dur. (hr)	Phase	Activity	Code	Operation
00:00 - 06:00	2,693.00 — 2,725.00	6.0	DIN1	WSPI	D	PU string and observed 20 Klb of OP, observed pressure increase from 3,050 to 3,400 psi. Turn off pumps, pressure trapped 20 psi. Worked string between PUW and SOW. Connected single and worked string down. Jarring down and advance to 2,718 ft with 300 / 500 psi pressure trapped. Recovered partial returns with 1 / 3 SPM and 400 psi pressure trapped. Jarring down with 80 Klb of POW and 30 Klb of SOW.  Continue working string with 80 Klb of POW and 30 Klb of SOW between 2,718 ft to 2,725 ft, pressure trapped 400 psi.

**Mud Logging**

Formation: C7	Formation top @: 3,161,0 (ft)	Max Background Gas (ppg): 0,00	Max Trip Gas (ppg):
Lithology: MUDSTONE		Max Connection Gas (ppg):	Pore Press: 0,00 (ppg)
Gas		Volumes	
Avg Conn Gas (%):		Total String Vol (bbl):	39,8
Max Connection Gas (%):		Total Annular Vol (bbl):	1.756,4
Avg Trip Gas (%):		Total Pit Vol (bbl):	1.994,0
Max Trip Gas (%):		Lines (bbl):	0,0
Avg Background Gas (%): 0.000		Active volume (bbl):	540,00
Max Background Gas (%): 0.000		Reserve volume (bbl):	
Pore Press (ppg): 0,00		Total System Vol (bbl):	2.336,2

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**Materials/Consumption**

Item	Unit	Usage	On Hand	Item	Unit	Usage	On Hand
DIESEL-RIG	Gal	2.500,00	33.635,00	DIESEL-CAMP	Gal	200,00	5.005,00

**Personnel**

Total No. of People: 97

Company	No. People	Hours	Company	No. People	Hours
COLTANQUES	1	12	SUPERIOR	2	24
COMPASS	13	156	G4S	1	12
HALLIBURTON	8	96	BAKER	15	180
EQUION	2	24	RIG SERVICE	2	24
PARKO SERVICES	3	36	SIMA	3	36
COLMENA	1	12	GESEA - GIMNASIO	2	24
TECNIAMBIENTE	1	12	UVC AMBULANCIA	1	12
SERDAN	1	12	NATIONAL OILWELL VARCO	1	12
TELEMATICA	1	12	H&P	36	432
COLVISEG	3	36			

**Cumulative Phase Breakdown**

Phase	Time										Total Cost	
	Estim.	Actual PL	%	Real UI	%	Real UE	%	Real NPT	%	Total	Varia.	
DSUR	88.51	88.00	98.88	0	0.00	0	0.00	1.00	1.12	89.00	-0.49	\$ 3,060.72
RSCA	132.72	89.00	95.96	0	0.00	0	0.00	3.75	4.04	92.75	39.97	\$ 0.00
DIN1	141.28	47.75	52.91	0	0.00	0	0.00	42.50	47.09	90.25	51.03	\$ 479,660.72
RIN1	182.98											\$ 0.00
DIN2	246.59											\$ 0.00
RIN2	267.85											\$ 0.00
DPR1	2,539.07											\$ 0.00
RPR1	384.12											\$ 3,033,628.52
DPR2	1,389.50											\$ 0.00
RPR2	349.44											\$ 0.00
Grant Total	5,722.06	224.75	82.63	0	0.00	0	0.00	47.25	17.37	272.00	5,450.06	\$ 3,516,349.96

**Remarks**

CONTACTO BY COMPANY: Equion 5, H&amp;P 3, Halliburton 10, Compass 3

STOP BY COMPANY: H&amp;P 25, Baker 1, Superior 3.

DAYS WITHOUT ACCIDENTS (OSHA) H&amp;P 152: 1,908.

- Contacto Card: Observed personnel collecting wooden sticks without security gloves. Talked with the person and explained the risks about this unsafe conditions. The person understood the message and proceeded to use the gloves.

- STOP Card: Observed catch tank valve without cap, generating spill risk. Talked with the personnel in charge to proceed to install proper cap. Is important continue with observations in order to avoid spills.

\* Total New Action in ATF:

\* Total Closed Action in ATF: 0

\* Total Open Action in ATF: 7

\* Outstanding Actions Open: 7

\*\*\*\*\* HSE ACTIVITIES\*\*\*\*\*

- Control snakes.



**Daily Operations Report (Drilling Onshore)**

Operator: EQUION ENERGIA LIMITED

Event Type: DRILLING ONSHORE

Report no.: 12

Well/Wellbore No. : Floreña Ip-10/OH

Event Objective: DEVELOPMENT

Report date: 21/10/2013

Well Type : DEVELOPMENT

Site: Florena I

Job Number :

Rig Name/No.: H&amp;P/152

**Remarks**

- Performing and certifications of H&P high pressure hoses by Rig Services.

\*\*\*\*\* LOGISTIC ISSUES \*\*\*\*\*

- 17 1/2" SDI816MHS8S Smith Bit.

\*\*\*\*\* WELL INTEGRITY \*\*\*\*\*

- Observed 20" Annulus Cement at 15 ft.

- Floreña I-9 Annulus "A" Pressure: 0 psi.

- Floreña I-9 Annulus "B" Pressure: 0 psi.

- Floreña I-9 Annulus "C" Pressure: 0 psi.

Daily metal shavings: 770 grs.

Total 17 1/2" Hole Section Metal Shavings 715 grs.

Daily mud losses: 0 bls.

Total 17 1/2" mud losses: 0 bls.

\* Jar hours: 68.2.

\* BHA hrs: 68.2.

\* Wash Pipe Hours: 237.7.

\* Saver Sub Hours: 443.7.

@ 24:00 hrs.

\*\*\*\*\* DRILLS \*\*\*\*\*

Last Attack Drill: 17/10/2013.

Last Alarm Test: 17/10/2013.

Last kick while drilling (D2): 17/10/2013.

Last kick while tripping (D1): 17/10/2013.

D5:

D4:17/10/2013

Last BOP Test: 17/10/2013

Last Fire Drill: 10/02/2013.

Last rescue in the pits Drill:

Last H2S drill:

Last Medical Emergency Drill: 10/13/2013.

Last Spill Drill: 10/10/2013.

Last Drop Objects Inspection: 19/10/2013

\*\*\*\*\* Medical Report\*\*\*\*\*

Medical Cases: 7, No work related.

- 2 Cases of Muskulosketal system.

- 2 Cases of Dermal Skin.

- 1 Case of Gastrointestinal system.

- 2 Cases of Flue.