



Daily Operations Report (Drilling Onshore)

Operator: EQUION ENERGIA LIMITED

Event Type: DRILLING ONSHORE

Report no.: 11

Well/Wellbore No.: Floreña Ip-10/OH

Event Objective: DEVELOPMENT

Report date: 20/10/2013

Well Type: DEVELOPMENT

Site: Floreña I

Job Number:

Rig Name/No.: H&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:	102,0 (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:	15.854	KB Elev:	2232 (ft)
Elev Ref:	Floreña IP10 @2.231,5ft (above Mean Sea Level)			Cum. Mud:	230.450	Wellbore Max Angle:	1,10
Geologist:				Daily Well:	189.711		
Engineer:	Diego Andres Ojeda Vargas			Cum. Well:	3.339.650	Est Days:	238,00 days
Day WSL:	Alexander Cuellar / Wilson Carreño					Rig. Days:	172,00 days
Night WSL:	Javier Eduardo Ramirez					Days ahead:	2,80 days
Weather:	Sunny					Cost ahead:	875,400.00 USD

Current Status: Pumping Hi-Visc.

24 Hr Summary: Drilled from 5,346 ft to 5,395 ft. Loss comm in Autotrack. Drilled from 5,395 ft to 5,448 ft. POOH f/ 5,447 ft to 5,251 ft. Reamed f/ 5,251 ft t/ 4,714 ft. PackOff String. Worked string. Recovered normal parms & free string. Reamed f/ 4,729 ft to 4,674 ft

24 Hr Forecast: Finsh POOH BHA # 3 and PU, MU & RIH BHA # 4 to continue drilling C7 formation.

Update at 06:00: Reamed from 4,674 ft to 4,552 ft. Pumping Hi-Visc

Comments: No Incident, No accidents, No spills.
Allocations total (perf): 339,822 USD \$
Total Well Cost (Mob+perf): 5,020,878 USD \$
Variances
Total days: 2.8 Days Saved
Total Costs: 875,400 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	\$ 3,339,650.00	\$ 49,267,595.00	6,35
Total		\$ 57,007,245.00	\$ 8,354,848.30	\$ 48,652,396.70	

HSE / Performance Measure and Well Control

Days Since Last DAFW:	5,450	(days)				
No. Recordables:	0 / 0	(day/cum)	No. Stop Cards:	29 / 580	(day/cum)	No. JSA's : 0 / 0 (day/cum)
No. First Aid Cases:	0 / 0	(day/cum)	No. Permit to Work:	20 / 181	(day/cum)	
Near Misses:	0 / 0	(day/cum)	No. Contacto Cards:	5 / 136	(day/cum)	
Last Csg Test Press:	700,00	(psi)	Audit to PTW:	1 / 9	(day/cum)	Kick Tolerance (ppg) 9,8
Incident Details:						Kick Volume (bbls) 47,6
Last BOP Pressure Test :	17/10/2013 12:00:00a.m.					
Next BOP Pressure Test :	31/10/2013 12:00:00a.m.					Last Pit Drill:
Last Fire Drill:	02/10/2013 12:00:00a.m.		Last Safety Inspection:	30/09/2013 12:00:00a.m.		Last Trip Drill: 11/08/2013 12:00:00a.m.
Last Evacuation Drill:			Last Safety Meeting:	19/10/2013 12:00:00a.m.		Last Diverter Drill:
Last Weekly Rig Check:	30/09/2013 12:00:00a.m.		Last Guerrilla Attack Drill:			Last Cum Drill: 17/10/2013 12:00:00a.m.
Last Spill Drill :			Last Emergency Medical Drill:	13/10/2013 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)
1	10	100				
1	20	130				
1	30	160				
1	40	200				
1	60	340				
1	80	530				
1	100	810				
1	120	1.080				
1	166	1.930				
1	220	3.220				

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:	5,60 (ft/hr)	Cum Prog :	3.191,88 (ft)	Daily Bit Hours:	18,20 (hr)	Pump Status - Drilling					
Avg ROP :	25,50 (ft/hr)	Rotating Weight:	240,00 (kip)	Daily Drilling Hrs:	4,00 (hr)	No.	Operation Type	Efficiency (%)	SPM (spm)	Liner size (in)	Circ. Rate (gpm)
ROP Cum:	88,42 (ft/hr)	Pick Up Wt:	294,00 (kip)	Cum Bit Hrs:	36,10 (hr)	1	D	96,00	74,00	6,500	337
WOB (min):	40 (kip)	Slack Off Wt:	285,00 (kip)			2	D	96,00	74,00	6,500	337
WOB (max):	60 (kip)					3	D	96,00	74,00	6,500	337
Min RPM:	150 (rpm)	Circ Rate Hole:	1.050,00 (gpm)	Ann. Vel. DC:	42,33 (ft/min)						
Max RPM:	180 (rpm)	Circ On Bottom:	3.560 (psi)	Ann. Vel. DP:	40,12 (ft/min)						
Torque on Bottom:	25.000 (ft-lbf)	Torque off Bottom:	13.000 (ft-lbf)	Jar Hrs since Inspect:	59,60 (hr)						

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		150/180	40/60	18,20	36,10	88,42				



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BHA

BHA No.: BHA # 3		Wash Pipe Hrs	223,00	TMD In:	2.250,0 (ft)		BHA Weight:		80 / 113			
Workstring Purpose: DRILL/DRESS CEN		Saver Sub Hrs:	429,00	TMD Out:					BHA Hrs: 59,60			
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 223,00

TMD In: 2.250,0 (ft)

BHA Weight:

80 / 113

Workstring Purpose: DRILL/DRESS CENSaver Sub Hrs: 429,00

TMD Out:

BHA Hrs: 59,60

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

Mud Type: Oil	10 sec Gels: 17,00	Ca: 80,00	ES: 925,0 (Volts)
Time: 20/10/2013 05:01:00a.m	10 min Gels: 22,00	K+: 0,00	Solids : 10,49 (%)
Depth: 5.541,12	Fluid Loss: 0,0 (cc/30min)	CaCl2: 8,80	Oil : 68,00 (%)
FL Temp: 160,00 (°F)	HTHP Temp: 250,00 (°F)	NaCl: 0,00	Water : 21,00 (%)
Density: 9,50 (ppg)	HTHP WL: 1,80 (cc/30mins)	Cl-: 250,00	Oil/Water: 24,00/76,00
Funnel Visc: 80,00 (s/qt)	Cake: 0,00	Sand : 0,10	Lost Downhole (bbl):
ECD: 9,61	MBT: 25,00	HGS: 0,00	Lost Surface (bbl): 179,00
PV: 27,00 (cp)	Lime: 2,70	LGS: 110,31 (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)		

Mud Type: Oil	10 sec Gels: 18,00	Ca: 80,00	ES: 902,0 (Volts)
Time: 20/10/2013 03:01:00p.m	10 min Gels: 22,00	K+: 0,00	Solids : 11,49 (%)
Depth: 5.548,12	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: 9,60 (ppg)	HTHP WL: 1,80 (cc/30mins)	Cl-: 250,00	Oil/Water: 23,00/77,00
Funnel Visc: 88,00 (s/qt)	Cake: 0,00	Sand : 0,10	Lost Downhole (bbl):
ECD:	MBT: 25,00	HGS: 0,00	Lost Surface (bbl): 179,00
PV: 27,00 (cp)	Lime: 2,70	LGS: 96,65 (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)		

Mud Type: Oil	10 sec Gels: 18,00	Ca: 80,00	ES: 931,0 (Volts)
Time: 20/10/2013 11:01:00p.m	10 min Gels: 22,00	K+: 0,00	Solids : 11,49 (%)
Depth: 5.548,12	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: 62,28	Lost Surface (bbl): 179,00
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)		

Survey Data

Vertical Section Definition = 257,50

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	Dogleg (°/100ft)	Station Type	Tool
5.302,00	0,07	143,71	5.302,0	4,193	-1,0	-4,1	0,07	Normal	MWD
5.396,00	1,10	163,89	5.395,9	4,113	-1,9	-3,8	1,10	Normal	MWD

Operation Summary

From - To	Md From / Md To(ft)	Dur. (hr)	Phase	Activity	Code	Operation
0:00 — 0:45	5,346.12 — 5,346.12	0.8	DIN1	REAM	PL	Backreamed and Reamed from 5,346 ft to 5,251 ft with 1,000 gpm - 3,120 psi, 140 rpm and 5 / 7 klb-ft TQ. Made Connection. At 5,302 ft took survey:



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From - To	Md From / Md To(ft)	Dur. (hr)	Phase	Activity	Code	Operation
						TVD (ft) Inc (°) Azi (°) DLS(°/100ft) 5,301.94 0.07 143.71 0.07 CC w/Flo I9 (ft) Ellipse Sep Dist Sep Ratio 70.89 49.75 3.43
0:45 — 2:00	5,346.12 — 5,395.12	1.3	DIN1	DRIL	PL	Pumped 40 bbl of Hi-Visc Pill (211 seg). Drilled 17 1/2" Hole Section through C7 Formation from 5,346 ft to 5,395 ft with 1,050 gpm - 3,500 psi ; 180 rpm - 20 / 25 Klb-ft of TQ ; 30 / 60 Klb of WOB in order to improve ROP. Average ROP: 39.2 ft / hr. Cavings rate: 2.6 bls / hr. Size Range: 12 - 35 mm. Avg Size: 15 mm. Morphology: Blky 75 % - Tab 10 % - Rew 10 % - Ang 10 %
2:00 — 3:30	5,395.12 — 5,395.12	1.5	DIN1	CIRC	D	At 5,393 observed loss communication between Autotrack and CoPilot. Cycled pumps and did no observed response. Sent DL and confirmed that tools did not have communication.
3:30 — 5:45	5,395.12 — 5,441.12	2.3	DIN1	DRIL	PL	Drilled 17 1/2" Hole Section through C7 Formation from 5,395 ft to 5,441 ft with 1,050 gpm - 3,400 psi ; 170 rpm - 12 / 25 Klb-ft of TQ ; 20 / 40 Klb of WOB. Average ROP: 20.4 ft / hr. Cavings rate: 0.7 bls / hr. Size Range: 10 - 25 mm. Avg Size: 12 mm. Morphology: Blky 65 % - Tab 5 % - Rew 20 % - Ang 0 %.
5:45 — 6:00	5,441.12 — 5,441.12	0.3	DIN1	REAM	PL	Backreamed and Reamed from 5,441 ft to 5,346 ft with 1,050 gpm - 3,470 psi, 140 rpm and 5 / 7 klb-ft TQ. Made Connection. Pumped 40 bbl of Hi-Visc Pill (211 seg). At 5,396 ft took survey: TVD (ft) Inc (°) Azi (°) DLS(°/100ft) 5,301.94 1.1 163.89 1.14 CC w/Flo I9 (ft) Ellipse Sep Dist Sep Ratio 70.49 49.12 3.37
6:00 — 7:00	5,441.12 — 5,447.12	1.0	DIN1	DRIL	PL	Drilled 17 1/2" Hole Section through C7 Formation from 5,441 ft to 5,448 ft with 1,050 gpm - 3,380 psi ; 150 rpm - 13 / 15 Klb-ft of TQ ; 20 / 40 Klb of WOB. Average ROP: 95 ft / hr. Cavings rate: 1.9 bls / hr. Size Range: 8 - 35 mm. Avg Size: 20 mm. Morphology: Blky 75 % - Tab 5 % - Rew 10 % - Ang 10 %
7:00 — 11:30	5,448.00 — 5,448.00	4.5	DIN1	CIRC	D	* Due to the Autotrack was not worked decided POOH. Circulated with 1,050 gpm - 3,470 psi ; 50 rpm - 5 Klb-ft of TQ in order to increase mud weight from 9.5 ppg to 9.6 ppg. Reciprocated String Up and Down. * Pumped 45 bbl of Hi Visc Pill with 250 gpm - 320 psi and displaced with 1,050 gpm - 3,530 psi. * Pumped 45 bbl of Hi Visc Pill with 345 gpm - 490 psi and displaced with 1,020 gpm - 3,250 psi.



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						<p>* Performed Rice Test, estimated hole diameter: 18.53".</p> <p>* Once with pills on surface the caving rate decreased slowly from 1.9 to 0.1 bph.</p> <p>At 5,536 ft took parameters as follows (9.6 ppg):</p> <table><tr><td>SPM</td><td>Pressure (psi)</td><td>GPM</td></tr><tr><td>10</td><td>90</td><td>43</td></tr><tr><td>20</td><td>110</td><td>90</td></tr><tr><td>30</td><td>130</td><td>138</td></tr><tr><td>40</td><td>190</td><td>186</td></tr><tr><td>60</td><td>310</td><td>280</td></tr><tr><td>80</td><td>490</td><td>374</td></tr><tr><td>100</td><td>700</td><td>460</td></tr><tr><td>120</td><td>1,090</td><td>545</td></tr><tr><td>166</td><td>1,950</td><td>750</td></tr><tr><td>222</td><td>3,180</td><td>1,000</td></tr></table> <p>Took weight parameters with 1,000 gpm - 3,180 psi. as follows: PUW 300 Klbs, SOW 300 Klbs, Rotating 290 Klbs.</p> <table><tr><td>RPM</td><td>60</td><td>80</td><td>100</td><td>120</td></tr><tr><td>TQ</td><td>3.0</td><td>3.0</td><td>3.5</td><td>3.5</td></tr></table> <p>Weight without pumps: PUW 290 Klbs & SOW 290 Klbs. Meanwhile Held safety meeting with all personnel involved prior to POOH BHA # 3 due failure in directional tools. Discussed procedures, review JSA and assigned R&R.</p>	SPM	Pressure (psi)	GPM	10	90	43	20	110	90	30	130	138	40	190	186	60	310	280	80	490	374	100	700	460	120	1,090	545	166	1,950	750	222	3,180	1,000	RPM	60	80	100	120	TQ	3.0	3.0	3.5	3.5
SPM	Pressure (psi)	GPM																																															
10	90	43																																															
20	110	90																																															
30	130	138																																															
40	190	186																																															
60	310	280																																															
80	490	374																																															
100	700	460																																															
120	1,090	545																																															
166	1,950	750																																															
222	3,180	1,000																																															
RPM	60	80	100	120																																													
TQ	3.0	3.0	3.5	3.5																																													
11:30 — 11:45	5,448.00 — 5,448.00	0.3	DIN1	PUMP	D	Pumped and spotted 100 bbls of Hi Vis Pill with 3.0 lpb of LCM material with 200 gpm - 160 psi and displaced 810 gpm - 2,300 psi.																																											
11:45 — 12:15	5,448.00 — 5,251.12	0.5	DIN1	POOH	D	POOH BHA # 3 with 5 7/8" DP from 5,447.0 ft to 5,251 ft. No observed drag.																																											
12:15 — 16:30	5,251.12 — 4,714.12	4.3	DIN1	REAM	D	At 5,251 ft attempted to POOH in elevators w/o success, worked string in steps to 70 Klbs in order tto pass thru but did not observed progress, started pumps and due to the upper stabilizer was in a coal bed decided start to reaming in way up from 5,251 ft to 4,714 ft with 1,000 gpm - 3,150 psi ; 120 / 140 rpm - 5 / 8 Klb-ft of TQ due to observed tight spots when stabilizers located in carbon beds. * Meanwhile pass thr the Coal beds torque increased from 5.0 to 8.0 Kft-lb.																																											
16:30 — 19:00	4,714.12 — 4,729.12	2.5	DIN1	WSPI	D	At 4714 ft Attempted POOH and observed 30 Klb of Overpull. Pressure increase suddenly to 1,050 psi, turn off mud pumps. Observed 950 psi trapped, drain pressure slowly through stand pipe to 400 psi.																																											
						Started to work sring between 4,714 ft to 4,704 between PUW and SOWt. Meanwhile move downwards the string. No observed pressure drop nor returns.																																											
						Connected a single drill pipe and RIH working string to 4,726 ft. moved string downwards trapping ffrom 400 to 500 psi and circulating with 4.0 to 15.0 GPM. Once observed pressure drop, proceded to pump with 1 SPM and monitoring pressure and returns, pressure increased maximum 500 psi and proceeded to drain pressure to 400																																											



Daily Operations Report (Drilling Onshore)

Operator: EQUION ENERGIA LIMITED

Event Type: DRILLING ONSHORE

Report no.: 11

Well/Wellbore No. : Floreña Ip-10/OH

Event Objective: DEVELOPMENT

Report date: 20/10/2013

Well Type : DEVELOPMENT

Site: Floreña I

Job Number :

Rig Name/No.: H&P/152

Operation Summary

From - To	Md From / Md To(ft)	Dur. (hr)	Phase	Activity	Code	Operation																																											
						psi. No observed pressure drop and no observed returns. Continued moving string downwards discharging between 30 to 80 Klbs trapping 400 psi At 4,279 ft observed pressure drop to 40 psi, proceeded to turn on pumps and pumped initially with 4 gpm and increased in stages to 1000 gpm monitoring circulation parameters and returns. Once with full circulation (1000 gpm - 3150 psi) started to rotated string with 120 RPM - 3.0 Kft-lb.																																											
19:00 — 19:30	4,729.12 — 4,674.12	0.5	DIN1	REAM	D	Backreamed from 4,729 ft to 4,674 ft with 1,000 gpm - 3,150 psi ; 120 rpm - 5 / 8 Klb-ft of TQ.																																											
19:30 — 22:45	4,674.12 — 4,674.12	3.3	DIN1	CIRC	D	Pumped 44 bbl of Hi-Visc Pill with 390 gpm - 590 psi and displaced with 1,000 gpm - 3,180 psi. Reciprocated string up and down. Meanwhile increased and homogenized mud weight from 9.6 gpm to 9.8 ppg. At 4,674 ft took parameters as follows (9.8 ppg): <table><tr><td>SPM</td><td>Pressure (psi)</td><td>GPM</td></tr><tr><td>10</td><td>100</td><td>43</td></tr><tr><td>20</td><td>130</td><td>90</td></tr><tr><td>30</td><td>160</td><td>138</td></tr><tr><td>40</td><td>200</td><td>186</td></tr><tr><td>60</td><td>340</td><td>280</td></tr><tr><td>80</td><td>530</td><td>374</td></tr><tr><td>100</td><td>810</td><td>460</td></tr><tr><td>120</td><td>1,080</td><td>545</td></tr><tr><td>166</td><td>1,930</td><td>750</td></tr><tr><td>222</td><td>3,220</td><td>1,000</td></tr></table> Took weight parameters with 1,000 gpm - 3,220 psi. as follows: PUW 275 Klbs, SOW 280 Klbs, Rotating 280 Klbs. <table><tr><td>RPM</td><td>60</td><td>80</td><td>100</td><td>120</td></tr><tr><td>TQ</td><td>3.0</td><td>3.0</td><td>3.0</td><td>3.5</td></tr></table> Weight without pumps: PUW 280 Klbs & SOW 280 Klbs. Once with pill on surface observed some small pieces of coal and caving. the caving rate with this pill on surface was 1.0 bph. and slowly dropped to 0.3 bpm	SPM	Pressure (psi)	GPM	10	100	43	20	130	90	30	160	138	40	200	186	60	340	280	80	530	374	100	810	460	120	1,080	545	166	1,930	750	222	3,220	1,000	RPM	60	80	100	120	TQ	3.0	3.0	3.0	3.5
SPM	Pressure (psi)	GPM																																															
10	100	43																																															
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TQ	3.0	3.0	3.0	3.5																																													
22:45 — 0:00	4,674.12 — 4,557.12	1.3	DIN1	REAM	D	Backreamed from 4,729 ft to 4,674 ft with 1,000 gpm - 3,250 psi ; 100 / 120 rpm - 5 / 10 Klb-ft of TQ. Daily metal shavings: 44 grs. Total 17 1/2" metal shavings: 638 grs. Cavings rate: 1.0 bls / hr. Daily Cavings: 20.1 bbl. Max Caving Rate: 4.1 bbl/hr. Size Range: 5 - 85 mm. Av Size: 15 mm. Morphology: Tab 10 % - 70 % Blky - 10% Rwk - 10% Ang Daily mud losses: 0 bls. Total 17 1/2" mud losses: 0 bls.																																											



Daily Operations Report (Drilling Onshore)

Operator: EQUION ENERGIA LIMITED

Event Type: DRILLING ONSHORE

Report no.: 11

Well/Wellbore No.: Floreña Ip-10/OH

Event Objective: DEVELOPMENT

Report date: 20/10/2013

Well Type: DEVELOPMENT

Site: Florena I

Job Number:

Rig Name/No.: H&P/152

06:00 Update

From - To	Md From / Md To(ft)	Dur. (hr)	Phase	Activity	Code	Operation
00:00 - 05:15	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 % ECD: 10.16 ppg at 05:00 Hr.
05:15 - 06:45	4,552.00 — 4,552.00	1.5	DIN1	CIRC	D	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. 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.

Mud Logging

Formation: C7	Formation top @: 3.161,1 (ft)	Max Background Gas (ppg): 0,13	Max Trip Gas (ppg):
Lithology: MUDSTONE		Max Connection Gas (ppg):	Pore Press: 0,00 (ppg)

Gas		Volumes	
Avg Conn Gas (%):		Total String Vol (bbl):	68,8
Max Connection Gas (%):		Total Annular Vol (bbl):	1.730,8
Avg Trip Gas (%):		Total Pit Vol (bbl):	1.749,0
Max Trip Gas (%):		Lines (bbl):	0,0
Avg Background Gas (%):	0.130	Active volume (bbl):	683,00
Max Background Gas (%):	0.130	Reserve volume (bbl):	
Pore Press (ppg):	0,00	Total System Vol (bbl):	2.482,6

Materials/Consumption

Item	Unit	Usage	On Hand	Item	Unit	Usage	On Hand
DIESEL-RIG	Gal	3.659,00	36.135,00	DIESEL-CAMP	Gal	200,00	5.205,00

Personnel

Total No. of People: 107

Company	No. People	Hours	Company	No. People	Hours
HALLIBURTON	8	96	GESSA - GIMNASIO	2	24
TELEMATICA	2	24	G4S	1	12
COMPASS	13	156	SERDAN	1	12
COLMENA	1	12	EQUION	3	36
H&P	36	432	COLVISEG	3	36
SIMA	2	36	SUPERIOR	2	24
RIG SERVICE	2	24	PARKO SERVICES	3	36
UVC AMBULANCIA	1	12	WEATHERFORD	10	120
BAKER	15	180	COLTANQUES	1	12
NATIONAL OILWELL VARCO	1	12			



Daily Operations Report (Drilling Onshore)

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Event Type: DRILLING ONSHORE

Report no.: 11

Well/Wellbore No.: Floreña Ip-10/OH

Event Objective: DEVELOPMENT

Report date: 20/10/2013

Well Type: DEVELOPMENT

Site: Florena I

Job Number:

Rig Name/No.: H&P/152

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	72.08	0	0.00	0	0.00	18.50	27.92	66.25	75.03	\$ 302,960.76
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	90.63	0	0.00	0	0.00	23.25	9.38	248.00	5,474.06	\$ 3,339,650.00

Remarks

CONTACTO BY COMPANY: Equion 5.

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

DAYS WITHOUT ACCIDENTS (OSHA) H&P 152: 1,907.

- Contacto Card: Gave congrats to forklift operato by their high collaboration in the arrange of all tubulars in plataform, all the operationa area was cleared. Good Job.

- STOP Card: During rig inspection of stairs and handrails was founded a base of handrail in mud tank in poor conditions, generaring falling risk. Talked with welder who proceeded to correc the base. Is important continue with safety observations.

* Total New Action in ATF:

* Total Closed Action in ATF: 0

* Total Open Action in ATF: 7

* Outstanding Actions Open: 7

***** HSE ACTIVITIES** *****

- Stairs and handralis inspection.

- Performed safety tour.

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

***** LOGISTIC ISSUES *****

- Received 2 x 17 1/2" Roller Reamer

- Received 1 x 17 1/2" Near Bit Stab

- Received 1 x 17 3/8" Near Bit Stab

- Received 1 x 17 1/2" String Stab

- Received 1 x 17 3/8" String Stab

***** 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: 160 grs.

Total 17 1/2" Hole Section Metal Shavings 594 grs.

Daily mud losses: 0 bls.

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

**Daily Operations Report (Drilling Onshore)**

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Event Type: DRILLING ONSHORE

Report no.: 11

Well/Wellbore No. : Floreña Ip-10/OH

Event Objective: DEVELOPMENT

Report date: 20/10/2013

Well Type : DEVELOPMENT

Site: Florena I

Job Number :

Rig Name/No.: H&P/152

Remarks

* Jar hours: 59.6.

* BHA hrs: 59.9.

* Wash Pipe Hours: 223.

* Saver Sub Hours: 429.

@ 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: 3, No work related.

- 1 Case of Demal System.

- 1 Case of Flue

- 1 Case of Headhache