

Schlumberger



DATE : September 25, 2012
SERVICE TYPE : 8 5/8 Surface
CLIENT : Knighthawk
TREATMENT # : C610-00742
WELL : Knoss 6-21
RIG : Spud Rig
LOCATION :
COMPANY MAN :

PREPARED BY : Jordan Moreland
TITLE : Field Supervisor
CELL # : 970-261-5749
DISTRICT : Grand Junction
SALES CONTACT : Kent Donner
PHONE # : 970-314-3470



Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Service Contract Number C610-00742

Invoice Mailing Address: NIGHTHAWK PRODUCTION LLC 1805 SHEA CENTER DRIVE, SUITE 290 HIGHLANDS RANCH CO 80129 USA	Left District	Date: 25-Sep-2012	Time: 4:00 AM
	Arrive Location	Date: 25-Sep-2012	Time: 2:00 PM
	Start Job	Date: 25-Sep-2012	Time: 4:00 PM
	Complete Job	Date: 25-Sep-2012	Time: 5:00 PM
	Leave Location	Date: 25-Sep-2012	Time: 6:00 PM
	Arrived District	Date: 26-Sep-2012	Time: 4:00 AM
	Service Description: Cementing Primary, Primary Surface		
Customer PO	Contract	Well Name & Number KNOSS 6-21	Field WILDCAT
AFE	Cust Ref	County/Parish/Block/Borough Lincoln	State/Province CO
Customer or Authorized Representative Jim Weer		SLB Location Grand Junction, CO	Legal Location
API/UWI 05073064800000	Pricebook ARDX / WSV_GEOREF_USL_2009_USD_v1	Rig SPUD RIG	
Service Instructions: Cement 8 5/8" Surface Casing: 20bbls Fresh Water Spacer. 130sks 14.0# Class G Cement. Displace with Water.			

THE ESTIMATED CHARGES AND DATA SHOWN BELOW ARE SUBJECT TO CORRECTION BY SCHLUMBERGER

Item	Description	Qty	UOM	Price	Disc	Amount
Products						
D029	Cellophane Flakes	25	LB	3.97	30.00%	69.47
D046	Antifoam Agent, All Purpose	24	LB	4.75	30.00%	79.80
D079	Chemical Extender	122	LB	2.55	30.00%	217.77
D907	Cement, Class G	130.69	CF	22.55	30.00%	2,062.94
Products Subtotal:						3,471.41
Discount:						1,041.43
Products Total:						2,429.98
Services						
48019000	Bulk Unit, Cement Add Hr	4	HR	107.50	30.00%	301.00
48601000	Cement Plug Container	1	JOB	520.00	30.00%	364.00
49100000	Cement Blending Charge	132.4	CF	2.27	30.00%	210.39
49102000	Transportation, Cement Ton-mile	810	MI	2.02	30.00%	1,145.34
59200002	Transportation, Mileage Heavy Vehicles	260	MI	5.52	30.00%	1,004.64
59200005	Transportation, Mileage Light Vehicles	260	MI	3.24	30.00%	589.68
59697004	CemCAT Monitoring System	1	JOB	880.00	30.00%	616.00
102871020	Pump, Casing Cement 0-2000 ft	1	EA	2,240.00	30.00%	1,568.00
102946000	Fuel Surcharge (non-discounted)	2	EA	450.00		900.00
107264001	Regulatory Conformance Charge	2	EA	341.00		682.00
Services Subtotal:						9,866.35
Discount:						2,485.30
Services Total:						7,381.05

Total (Before Discount):	13,337.76		
Discount:	3,526.73		
Special Discount:	0.00	Estimated Discounted Total (USD):	9,811.03

Cust Comments:
CustComment
SLB Comments:
Comments



Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

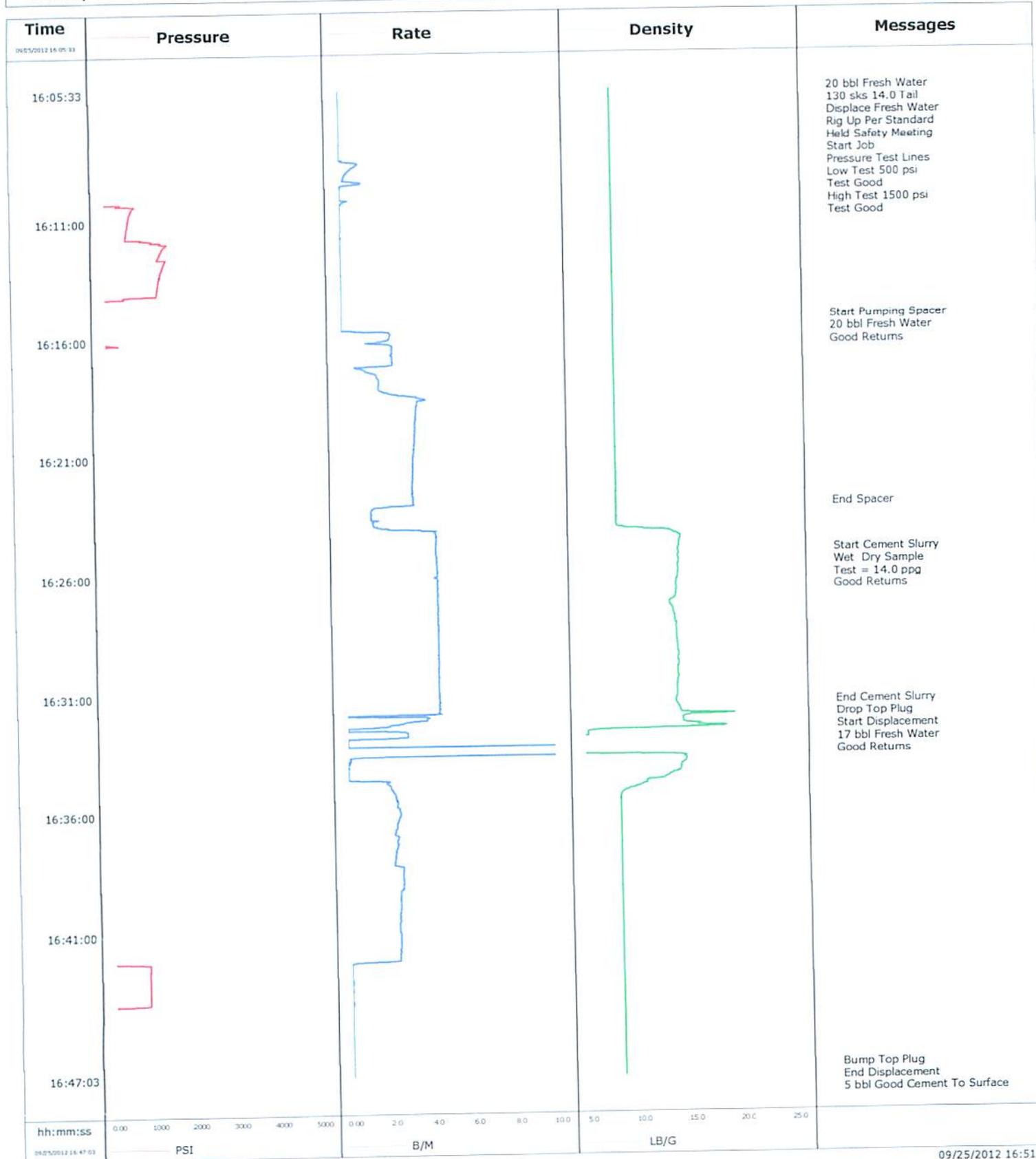
Service Contract Number
C610-00742

Invoice Mailing Address: NIGHTHAWK PRODUCTION LLC 1805 SHEA CENTER DRIVE, SUITE 290 HIGHLANDS RANCH CO 80129 USA	Left District	Date: 25-Sep-2012	Time: 4:00 AM
	Arrive Location	Date: 25-Sep-2012	Time: 2:00 PM
	Start Job	Date: 25-Sep-2012	Time: 4:00 PM
	Complete Job	Date: 25-Sep-2012	Time: 5:00 PM
	Leave Location	Date: 25-Sep-2012	Time: 6:00 PM
	Arrived District	Date: 26-Sep-2012	Time: 4:00 AM
	Service Description: Cementing Primary, Primary Surface		
Customer PO	Contract	Well Name & Number KNOSS 6-21	Field WILDCAT
AFE	Cust Ref	County/Parish/Block/Borough Lincoln	State/Province CO
Customer or Authorized Representative Jim Weer		SLB Location Grand Junction, CO	Legal Location
API/JWI 05073064800000	Pricebook ARDX / WSV_GEOREF_USL_2009_USD_v1	Rig SPUD RIG	
Service Instructions: Cement 8 5/8" Surface Casing: 20bbbls Fresh Water Spacer. 130sks 14.0# Class G Cement. Displace with Water.			

Estimated Discounted Total (USD): **9,811.03**

THE ESTIMATED CHARGES AND DATA SHOWN ABOVE ARE SUBJECT TO CORRECTION BY SCHLUMBERGER.	
THE SERVICES, EQUIPMENT, MATERIALS AND/OR PRODUCTS PROVIDED BY THIS SERVICE CONTRACT RECEIPT HAVE BEEN PERFORMED OR RECEIVED AS SET FORTH ABOVE.	
Signature of Customer or Authorized Representative: Validity unknown Signed by Jim Weer 9/25/2012 17:28:36  _____ Jim Weer Date	Signature of Schlumberger Representative: Validity unknown Signed by Jordan Moreland 9/25/2012 17:28:36  _____ Jordan Moreland Date

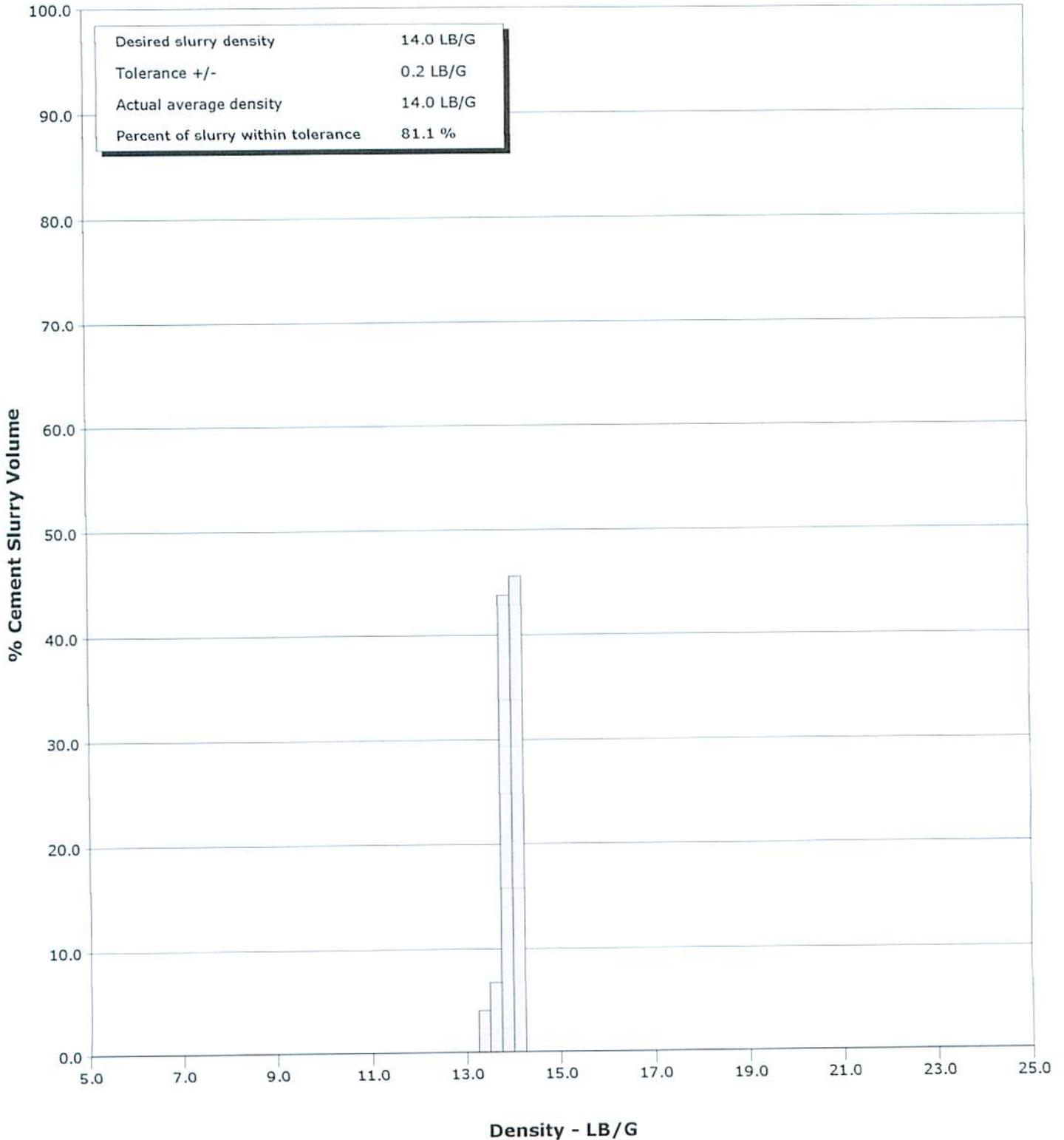
Well	Knoss 6-21	Client	Knight Hawk
Field	Wildcat	SIR No.	
Engineer	Jordan Moreland/ Travis Willardson (pumper)	Job Type	8 5/8 Surface
Country	United States	Job Date	09-25-2012



Schlumberger Cementing Qa/Qc Density Report

Well	Knoss 6-21	Client	Knight Hawk
Field	Wildcat	SIR No.	
Engineer	Jordan Moreland/ Travis Willardson (pumper)	Job Type	8 5/8 Surface
Country	United States	Job Date	09-25-2012

Cement Slurry - 09/25/2012 16:24:58 to 09/25/2012 16:31:22



Well		Field	Job Start	Customer	Job Number	
Knoss 6-21		Wildcat	Sep/25/2012	K. lawk	C610-00742	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
09/25/2012	16:15:11	-142	0.0	8.34	0.7	
09/25/2012	16:15:13					20 bbl Fresh Water
09/25/2012	16:15:13					Good Returns
09/25/2012	16:15:13	-141	0.0	8.34	0.7	
09/25/2012	16:15:23	-138	0.0	8.34	0.7	
09/25/2012	16:17:23	-116	1.1	8.34	4.3	
09/25/2012	16:19:23	-93	3.5	8.34	9.6	
09/25/2012	16:21:23	-92	3.3	8.34	16.4	
09/25/2012	16:23:03					End Spacer
09/25/2012	16:23:03	-106	2.7	8.34	21.9	
09/25/2012	16:23:23	-111	1.3	8.34	22.4	
09/25/2012	16:24:58					Start Cement Slurry
09/25/2012	16:24:58	-84	4.4	14.15	27.4	
09/25/2012	16:24:59					Wet Dry Sample
09/25/2012	16:24:59					Test = 14.0 ppg
09/25/2012	16:24:59	-86	4.4	14.15	27.4	
09/25/2012	16:25:00					Good Returns
09/25/2012	16:25:00	-86	4.4	14.16	27.5	
09/25/2012	16:25:23	-87	4.4	14.19	29.2	
09/25/2012	16:27:23	-92	4.5	13.56	38.1	
09/25/2012	16:29:23	-92	4.4	14.07	47.0	
09/25/2012	16:31:22					End Cement Slurry
09/25/2012	16:31:22	-96	4.5	13.80	55.8	
09/25/2012	16:31:23	-94	4.5	13.80	55.9	
09/25/2012	16:31:31					Drop Top Plug
09/25/2012	16:31:31					Start Displacement
09/25/2012	16:31:31	-107	4.5	14.02	56.5	
09/25/2012	16:31:32					17 bbl Fresh Water
09/25/2012	16:31:32	-107	4.5	14.06	56.5	
09/25/2012	16:31:33					Good Returns
09/25/2012	16:31:33	-107	4.5	14.06	56.6	
09/25/2012	16:33:23	-119	25.0	0.00	65.4	
09/25/2012	16:35:23	-137	2.3	8.35	71.1	
09/25/2012	16:37:23	-119	2.3	8.34	75.8	
09/25/2012	16:39:23	-94	2.4	8.35	80.6	
09/25/2012	16:41:23	-64	2.4	8.34	85.4	
09/25/2012	16:43:23	819	0.0	8.34	87.3	
09/25/2012	16:45:23	-144	0.0	8.34	87.4	
09/25/2012	16:46:41					Bump Top Plug
09/25/2012	16:46:41	-144	0.0	8.34	87.4	
09/25/2012	16:46:42					End Displacement
09/25/2012	16:46:42	-144	0.0	8.34	87.4	
09/25/2012	16:46:45					5 bbl Good Cement To Surface
09/25/2012	16:46:45					Bleed Off Floats Held
09/25/2012	16:46:45	-145	0.0	8.34	87.4	
09/25/2012	16:46:46					Rig Down
09/25/2012	16:46:46	-144	0.0	8.34	87.4	

Well Kross 6-21	Field Wildcat	Job Start Sep/25/2012	Customer Krawk	Job Number C610-00742
--------------------	------------------	--------------------------	-------------------	--------------------------

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
2.2		0.0	25.0	87.4	0.0	21.9	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
1516	-145	932					
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume	
		31.0 bbl	68 degF	Washed Thru Perfs	<input type="checkbox"/>	To	
Customer or Authorized Representative	Schlumberger Supervisor			Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
Jim Weer	Jordan Moreland/ Travis Willardson (pumper)			-		-	