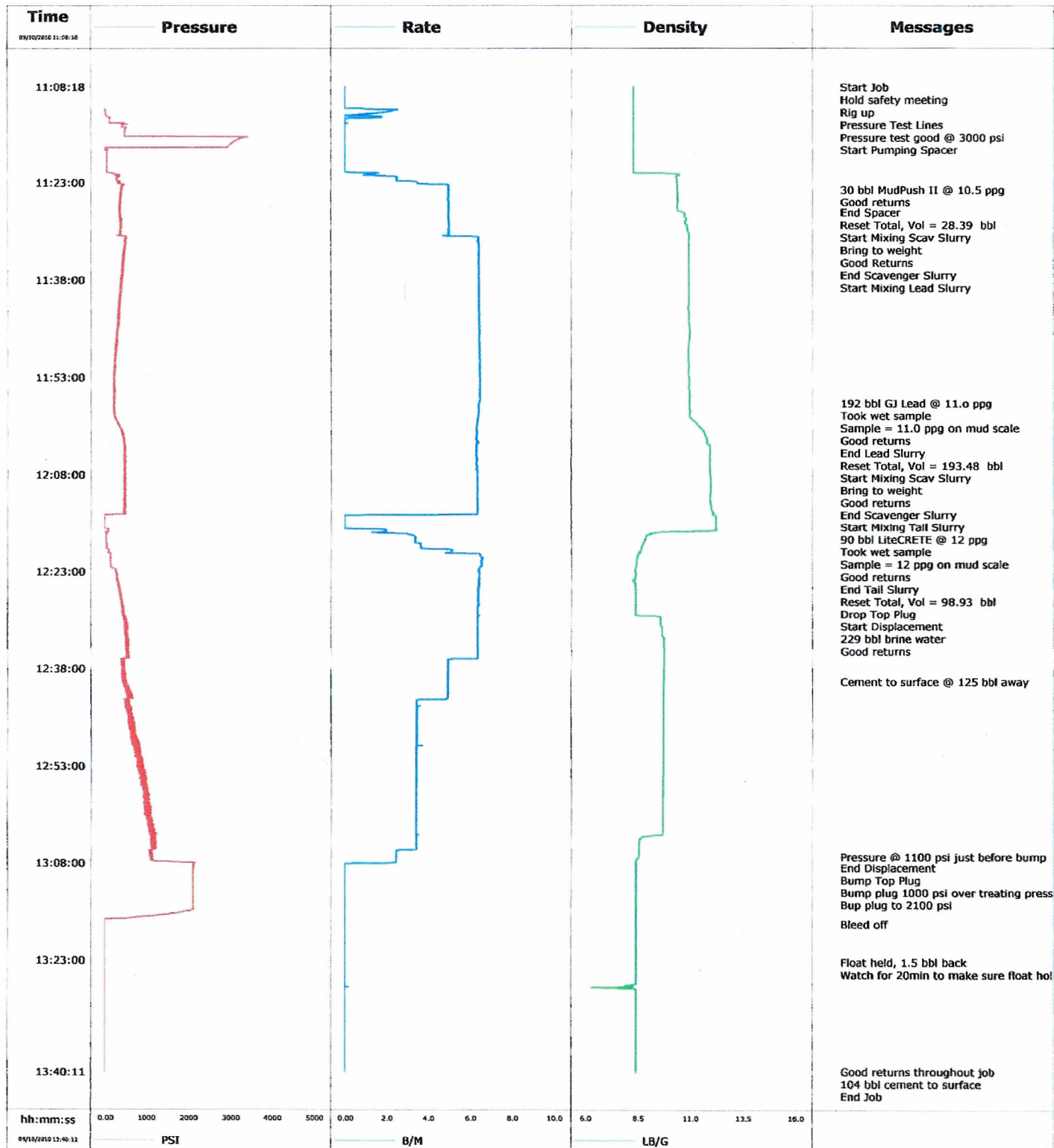


Well	UNION PACIFIC 156Y29	Client	Chevron Corp
Field	Rangely	SIR No.	B2K7-00148
Engineer	Dave Wanczyk	Job Type	7" Intermediate
Country	United States	Job Date	09-09-2010





Cementing Service Report

Customer Chevron Corp				Job Number B2K7-00148			
Well UNION PACIFIC 156Y29 UNION PACIFIC 156Y29			Location (legal) Rangely		Schlumberger Location Grand Junction, CO		Job Start Sep/09/2010
Field Rangely		Formation Name/Type Shale		Deviation 0 deg	Bit Size 8.8 in	Well MD 5874.0 ft	Well TVD 5874.0 ft
County Rio Blanco		State/Province Colorado		BHP	BHST 120 degF	BHCT 168 degF	Pore Press. Gradient
Well Master 063118452		API/UWI					
Rig Name H&P 316		Drilled For Gas		Service Via Land		Casing/Liner	
Offshore Zone		Well Class New		Well Type Development			
Drilling Fluid Type Bentonite		Max. Density 10.00 lb/gal		Plastic Viscosity 12.000 cP		Tubing/Drill Pipe	
Service Line Cementing		Job Type 7" Intermediate					
Max. Allowed Tub. Press 4360 psi		Max. Allowed Ann. Press 3260 psi		WH Connection Single Cement head		Perforations/Open Hole	
Service Instructions Service Instructions: Cement 7" casing at 6566' using: 30 bbl MUDPUSH @ 10.5PPG 324 SK 11.0 GJ Lead 302 SK 12.0 LiteCRETE Displace with Brine		Top,		Bottom,		No. of Shots	
						Diameter	
		Treat Down Casing		Displacement 227.6 bbl		Packer Type	
		Tubing Vol.		Casing Vol. 231.2 bbl		Annular Vol. 163.0 bbl	
						Packer Depth	
						Openhole Vol. 400.0 bbl	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job	
Lift Pressure 3511 psi		Shoe Type Float		Squeeze Type			
Pipe Rotated <input type="checkbox"/> Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 5874.0 ft		Tool Type			
No. Centralizers		Top Plugs 1 Bottom Plugs		Stage Tool Type		Tool Depth	
Cement Head Type Single		Stage Tool Depth		Tail Pipe Size			
Job Scheduled For Sep/09/2010 07:00		Arrived on Location Sep/09/2010 06:00		Leave Location Sep/10/2010 14:00		Collar Type Float	
						Collar Depth 5782.0 ft	
						Sqz. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
09/10/2010	10:58:25					Started Acquisition	
09/10/2010	11:08:18	-2	0.0	8.32	0.0		
09/10/2010	11:08:25	-2	0.0	8.32	0.0		
09/10/2010	11:08:26					Start Job	
09/10/2010	11:08:26	-2	0.0	8.32	0.0		
09/10/2010	11:08:30					Hold safety meeting	
09/10/2010	11:08:30	-2	0.0	8.32	0.0		
09/10/2010	11:09:32					Rig up	
09/10/2010	11:09:32	-3	0.0	8.32	0.0		
09/10/2010	11:09:34					Pressure Test Lines	
09/10/2010	11:09:34	-2	0.0	8.32	0.0		
09/10/2010	11:09:35					Pressure test good @ 3000 psi	
09/10/2010	11:09:35	-2	0.0	8.32	0.0		
09/10/2010	11:09:39					Start Pumping Spacer	
09/10/2010	11:09:39	-2	0.0	8.32	0.0		
09/10/2010	11:10:05	-2	0.0	8.32	0.0		
09/10/2010	11:11:45	-1	1.0	8.32	0.0		
09/10/2010	11:13:25	133	0.0	8.32	2.1		
09/10/2010	11:15:05	500	0.0	8.32	2.1		
09/10/2010	11:16:45	3104	0.0	8.32	2.1		
09/10/2010	11:18:25	74	0.0	8.32	2.1		

Well			Field	Job Start	Customer	Job Number
UNION PACIFIC 156Y29 UNION PACIFIC 156Y29			gely	Sep/09/2010	Chevr .rp	B2K7-00148
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
09/10/2010	11:21:45	270	1.2	10.48	2.5	
09/10/2010	11:23:25	438	5.0	10.42	7.1	
09/10/2010	11:24:08					30 bbl MudPush II @ 10.5 ppg
09/10/2010	11:24:08	426	5.0	10.42	10.7	
09/10/2010	11:24:09					Good returns
09/10/2010	11:24:09	408	5.0	10.42	10.8	
09/10/2010	11:25:05	396	5.0	10.43	15.4	
09/10/2010	11:26:45	384	5.0	10.43	23.7	
09/10/2010	11:27:40					End Spacer
09/10/2010	11:27:40	370	5.0	10.69	28.2	
09/10/2010	11:27:42					Reset Total, Vol = 28.39 bbl
09/10/2010	11:27:42	367	5.0	10.71	28.4	
09/10/2010	11:27:44					Start Mixing Scav Slurry
09/10/2010	11:27:44	400	5.0	10.72	28.6	
09/10/2010	11:27:46					Bring to weight
09/10/2010	11:27:46	382	5.0	10.73	28.7	
09/10/2010	11:27:47					Good Returns
09/10/2010	11:27:47	382	5.0	10.75	28.8	
09/10/2010	11:28:25	375	5.0	10.79	31.9	
09/10/2010	11:30:05	387	5.0	10.89	40.2	
09/10/2010	11:30:29					End Scavenger Slurry
09/10/2010	11:30:29	392	5.0	10.91	42.2	
09/10/2010	11:30:30					Start Mixing Lead Slurry
09/10/2010	11:30:30	399	5.0	10.91	42.3	
09/10/2010	11:31:45	532	6.4	10.98	49.2	
09/10/2010	11:33:25	511	6.4	10.97	59.9	
09/10/2010	11:35:05	491	6.4	10.97	70.6	
09/10/2010	11:36:45	433	6.4	10.97	81.3	
09/10/2010	11:38:25	392	6.4	10.98	92.0	
09/10/2010	11:40:05	378	6.5	10.98	102.7	
09/10/2010	11:41:45	387	6.4	10.97	113.4	
09/10/2010	11:43:25	359	6.4	10.99	124.1	
09/10/2010	11:45:05	332	6.5	11.00	134.9	
09/10/2010	11:46:45	312	6.5	11.01	145.6	
09/10/2010	11:48:25	286	6.5	10.97	156.3	
09/10/2010	11:50:05	282	6.5	10.95	167.1	
09/10/2010	11:51:45	245	6.5	10.97	177.9	
09/10/2010	11:53:25	247	6.5	11.01	188.7	
09/10/2010	11:55:05	241	6.5	11.00	199.4	
09/10/2010	11:56:45	247	6.5	11.00	210.2	
09/10/2010	11:56:58					192 bbl GJ Lead @ 11.0 ppg
09/10/2010	11:56:58					Took wet sample
09/10/2010	11:56:58					Sample = 11.0 ppg on mud scale
09/10/2010	11:56:58	235	6.4	11.00	211.6	
09/10/2010	11:56:59					Good returns
09/10/2010	11:56:59	237	6.4	11.00	211.7	
09/10/2010	11:58:25	259	6.4	11.03	220.9	
09/10/2010	11:58:33					End Lead Slurry
09/10/2010	11:58:33	236	6.4	11.01	221.8	
09/10/2010	11:58:34					Reset Total, Vol = 193.48 bbl
09/10/2010	11:58:34	245	6.4	11.01	221.9	
09/10/2010	11:58:36					Start Mixing Scav Slurry
09/10/2010	11:58:36	259	6.4	11.01	222.1	
09/10/2010	11:59:41					Bring to weight

Well		Field	Job Start	Customer	Job Number	
UNION PACIFIC 156Y29 UNION PACIFIC 156Y29		ily	Sep/09/2010	Chevron	B2K7-00148	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
09/10/2010	12:00:05	352	6.3	11.32	231.5	
09/10/2010	12:00:40					Good returns
09/10/2010	12:00:40	372	6.3	11.46	235.2	
09/10/2010	12:01:45	431	6.3	11.68	242.1	
09/10/2010	12:03:25	479	6.3	11.93	252.6	
09/10/2010	12:03:28					End Scavenger Slurry
09/10/2010	12:03:28	494	6.3	11.93	252.9	
09/10/2010	12:03:30					Start Mixing Tail Slurry
09/10/2010	12:03:30	491	6.3	11.93	253.1	
09/10/2010	12:05:05	481	6.3	11.92	263.1	
09/10/2010	12:06:45	481	6.3	11.92	273.6	
09/10/2010	12:08:25	494	6.4	11.96	284.1	
09/10/2010	12:09:46					90 bbl LiteCRETE @ 12 ppg
09/10/2010	12:09:46	524	6.3	11.97	292.7	
09/10/2010	12:09:47					Took wet sample
09/10/2010	12:09:47	500	6.3	11.97	292.8	
09/10/2010	12:09:48					Sample = 12 ppg on mud scale
09/10/2010	12:09:48	496	6.3	11.97	292.9	
09/10/2010	12:09:49					Good returns
09/10/2010	12:09:49	496	6.3	11.97	293.0	
09/10/2010	12:10:05	489	6.3	11.95	294.7	
09/10/2010	12:11:45	478	6.3	11.93	305.3	
09/10/2010	12:13:25	464	6.3	12.00	315.8	
09/10/2010	12:14:12					End Tail Slurry
09/10/2010	12:14:12	56	3.2	12.08	320.7	
09/10/2010	12:14:14					Reset Total, Vol = 98.93 bbl
09/10/2010	12:14:14	27	2.0	12.12	320.8	
09/10/2010	12:14:15					Drop Top Plug
09/10/2010	12:14:15	27	1.1	12.15	320.8	
09/10/2010	12:14:17					Start Displacement
09/10/2010	12:14:17	25	0.4	12.18	320.9	
09/10/2010	12:15:05	12	0.0	12.21	320.9	
09/10/2010	12:16:45	100	1.9	11.97	321.5	
09/10/2010	12:18:25	54	3.4	8.84	326.4	
09/10/2010	12:20:05	114	5.1	8.60	333.2	
09/10/2010	12:21:45	158	6.6	8.47	343.8	
09/10/2010	12:22:28					229 bbl brine water
09/10/2010	12:22:28					Good returns
09/10/2010	12:22:28	195	6.5	8.42	348.5	
09/10/2010	12:23:25	296	6.5	8.43	354.6	
09/10/2010	12:25:05	349	6.4	8.41	365.3	
09/10/2010	12:26:45	407	6.4	8.41	376.0	
09/10/2010	12:28:25	449	6.4	8.41	386.6	
09/10/2010	12:30:05	507	6.4	9.61	397.2	
09/10/2010	12:31:45	488	6.4	9.69	407.8	
09/10/2010	12:33:25	525	6.4	9.78	418.4	
09/10/2010	12:35:05	545	6.4	9.78	429.0	
09/10/2010	12:36:45	423	4.9	9.78	439.2	
09/10/2010	12:38:25	423	4.9	9.77	447.5	
09/10/2010	12:40:00					Cement to surface @ 125 bbl away
09/10/2010	12:40:00	454	4.9	9.77	455.3	
09/10/2010	12:40:05	504	4.9	9.77	455.7	
09/10/2010	12:41:45	617	4.9	9.76	463.9	
09/10/2010	12:43:25	607	3.5	9.76	471.1	

Well		Field	Job Start		Customer	Job Number
UNION PACIFIC 156Y29 UNION PACIFIC 156Y29		ngely	Sep/09/2010		Chev Corp	B2K7-00148
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
09/10/2010	12:46:45	709	3.5	9.75	482.7	
09/10/2010	12:48:25	714	3.5	9.75	488.5	
09/10/2010	12:50:05	748	3.4	9.75	494.2	
09/10/2010	12:51:45	840	3.5	9.75	500.0	
09/10/2010	12:53:25	814	3.4	9.75	505.7	
09/10/2010	12:55:05	944	3.4	9.75	511.4	
09/10/2010	12:56:45	988	3.4	9.75	517.2	
09/10/2010	12:58:25	1006	3.4	9.74	522.9	
09/10/2010	13:00:05	1108	3.4	9.75	528.6	
09/10/2010	13:01:45	1095	3.4	9.74	534.4	
09/10/2010	13:03:25	1199	3.4	9.74	540.1	
09/10/2010	13:05:05	1251	3.4	8.60	545.8	
09/10/2010	13:06:45	1163	2.5	8.58	550.8	
09/10/2010	13:06:58					Pressure @ 1100 psi just before bump
09/10/2010	13:06:58	1111	2.5	8.58	551.3	
09/10/2010	13:08:25	2143	0.0	8.45	553.8	
09/10/2010	13:08:42					End Displacement
09/10/2010	13:08:42	2137	0.0	8.45	553.8	
09/10/2010	13:08:44					Bump Top Plug
09/10/2010	13:08:44	2138	0.0	8.45	553.8	
09/10/2010	13:09:33					Bump plug 1000 psi over treating press
09/10/2010	13:09:33	2136	0.0	8.45	553.8	
09/10/2010	13:10:05	2134	0.0	8.45	553.8	
09/10/2010	13:11:45	2134	0.0	8.45	553.8	
09/10/2010	13:13:25	2136	0.0	8.45	553.8	
09/10/2010	13:13:49					Bup plug to 2100 psi
09/10/2010	13:13:49	2137	0.0	8.45	553.8	
09/10/2010	13:15:05	2139	0.0	8.45	553.8	
09/10/2010	13:16:45	1	0.0	8.45	553.8	
09/10/2010	13:17:21					Bleed off
09/10/2010	13:17:21	1	0.0	8.45	553.8	
09/10/2010	13:18:25	2	0.0	8.45	553.8	
09/10/2010	13:20:05	2	0.0	8.44	553.8	
09/10/2010	13:21:45	4	0.0	8.44	553.8	
09/10/2010	13:23:13					Float held, 1.5 bbl back
09/10/2010	13:23:13					Watch for 20min to make sure float holds
09/10/2010	13:23:13	4	0.0	8.44	553.8	
09/10/2010	13:23:25	4	0.0	8.44	553.8	
09/10/2010	13:25:05	3	0.0	8.44	553.8	
09/10/2010	13:26:45	3	0.0	8.19	553.8	
09/10/2010	13:28:25	4	0.0	8.45	553.8	
09/10/2010	13:30:05	3	0.0	8.44	553.8	
09/10/2010	13:31:45	2	0.0	8.44	553.8	
09/10/2010	13:33:25	3	0.0	8.44	553.8	
09/10/2010	13:35:05	2	0.0	8.44	553.8	
09/10/2010	13:36:45	2	0.0	8.43	553.8	
09/10/2010	13:38:25	2	0.0	8.43	553.8	
09/10/2010	13:40:05					Good returns throughout job
09/10/2010	13:40:05	3	0.0	8.43	553.8	
09/10/2010	13:40:06					104 bbl cement to surface
09/10/2010	13:40:06	3	0.0	8.43	553.8	
09/10/2010	13:40:07					End Job
09/10/2010	13:40:07	3	0.0	8.43	553.8	

Well UNION PACIFIC 156Y29 UNION PACIFIC 156Y29	Field ngely	Job Start Sep/09/2010	Customer Chet orp	Job Number B2K7-00148
--	-----------------------	---------------------------------	-----------------------------	---------------------------------

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry 5.2	N2	Mud 0.0	Maximum Rate 6.6	Total Slurry 283.0	Mud 0.0	Spacer 30.0	N2
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum 3000	Final 0	Average 590	Bump Plug to	Breakdown	Type	Volume	Density
Avg. N2 Percent	Designed Slurry Volume 283.0 bbl		Displacement 229.0 bbl	Mix Water Temp 70 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 104.0 bbl	
					Washed Thru Perfs <input type="checkbox"/>	To	
Customer or Authorized Representative Cliff Bradford			Schlumberger Supervisor Dave Wanczyk			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>
						-	-



Service Order for i-District Job 414889

Customer Name: CHEVRON CORP - FOR INVOICING ONLY	Person Taking Call: Bolding, Russell	Location: Grand Junction, CO WS	Order Date:	Job Number: 414889
Service Order Number: B2K7-00148	Service Line: Cementing	Supervisor:	Legal Location:	
Well Name and Number: UNION PACIFIC 156Y29	Pad/Platform:	Field: Rangely	County: Rio Blanco	State/Prov: CO
Well Master Number: 0631184520	API/UWI: 05103117210000	Rig Name: H&P 316	Well Age:	Sales Engineer: Hudson, Matthew
Job Type: Cementing – 7" Intermediate Casing	Time Well Ready:	Deviation: 0 deg	Hole Size: 8.875 in	Well MD: 6566 ft
Well TVD: 6566 ft	BHP: 3796 psi	BHST: 159 °F	BHCT: 120 °F	Treat Down: Casing
Packer Type:	Packer Depth:	Well Head Connection: 7" 8 rd.	HHP on Location: 550 hhp	Max Allowed Pressure: 3000 psi
Max Allowed Ann Pressure: 1500 psi		Job Stage Number:	FTL Ticket/Quote Number : B2K7-00148	
Casing/Tubing			Service Instructions:	
String Type	Depth	Size	Weight	Grade
Casing	2000 ft	9.625 in	36 lb/ft	
Casing	6566 ft	7 in	23 lb/ft	
Perforations			Thread	
Top	Bottom	SPF	No of Shots	Formation Name
Total Interval: 0		Diameter:		
Coiled Tubing				
Size	Thickness	Length	String ID	Reel ID
Client Contact				
Name	Voice	Fax	Email	Title
Brandon Swank	970-361-3270			
Notes:				
Directions:				

Cement 7" casing at 6566'
using:

30 bbl MUDPUSH @ 10.5PPG

324 SK 11.0 GJ Lead

302 SK 12.0 LiteCRETE

Displace with Brine

Materials				
Name	Code	Description	Quantity	Density
10.5 MudPush		150 lbs D182 + 3900 lbs D031 + 27 bbls H2O+	30.00 bbl	
11.0 GJ Lead		G + 0.2% D046 + 3.0% D079 + 0.4% D112 + 0.5% S001 + 0.2% D202		11.00 lb/gal
12.0 LiteCRETE		12.0 LC + 0.3% D013 + 0.3% D046 + 0.3% D207 + 0.4% D202		12.00 lb/gal
D095	D095	D095 Cement Additive	200.00 lb	

Fluid Systems:

10.5 MudPush				
150 lbs D182 + 3900 lbs D031 + 27 bbls H2O+				
Sacks Of:		Total		
		Blend/Cem:		
Sack Weight:		Dry Blend		
		Code:		
Yield:		Final Fluid		
		Density:		
Mix Water:		Base Fluid		
		Den:	8.32	lb/gal
Mix Fluid:		Volume:		
			30.00	bbl
Mix Water Den:		Base Fluid		
		Vol:	27.00	bbl
Sacks		Acid Volume:		
Blend/Cem:		Acid Conc:		
Total Mix				
Water:				
Total Mix Fluid:				
Load out Excess				
Code	Conc	Design	Total by design	Load out with excess
D031	130.000 lb/bbl	BWVSpacerV O	3,900.00 lb	3,900.00 lb
D182	5.000 lb/bbl	BWVSpacerV O	150.00 lb	150.00 lb

11.0 GJ Lead				
G + 0.2% D046 + 3.0% D079 + 0.4% D112 + 0.5% S001 + 0.2% D202				
Sacks Of:	Cement	Total Blend/Cem:	30,456.00	lb
Sack Weight:	94.00 lb	Dry Blend Code:		
Yield:	3.33 ft3/sk	Final Fluid Density:	11.00	lb/gal
Mix Water:	21.18 gal/sk	Base Fluid Den:		
Mix Fluid:	21.18 gal/sk	Volume:		
Mix Water Den:	8.32 lb/gal	Base Fluid Vol:		
Sacks Blend/Cem:	324.00 sks	Acid Volume:		
Total Mix Water:	25.98 m3	Acid Conc:		
Total Mix Fluid:	25.98 m3			
Load out Excess				
Code	Conc	Design	Total by design	Load out with excess
D907	94.000 lb/sk	WTSK	30,456.00 lb	30,456.00 lb
D079	2.820 lb/sk	WTSK	913.68 lb	913.68 lb
D046	0.188 lb/sk	WTSK	60.91 lb	60.91 lb
D112	0.376 lb/sk	WTSK	121.82 lb	121.82 lb
S001	0.470 lb/sk	WTSK	152.28 lb	152.28 lb
D202	0.188 lb/sk	WTSK	60.91 lb	60.91 lb

12.0 LiteCRETE				
12.0 LC + 0.3% D013 + 0.3% D046 + 0.3% D207 + 0.4% D202				
Sacks Of:	Cement		Total Blend/Cem:	30,400.00 lb
Sack Weight:	100.00 lb		Dry Blend Code:	
Yield:	1.68 ft3/sk		Final Fluid Density:	12.00 lb/gal
Mix Water:	5.92 gal/sk		Base Fluid Den:	
Mix Fluid:	5.92 gal/sk		Volume:	
Mix Water Den:	8.32 lb/gal		Base Fluid Vol:	
Sacks Blend/Cem:	304.00 sks		Acid Volume:	
Total Mix Water:	6.81 m3		Acid Conc:	
Total Mix Fluid:	6.81 m3			
Load out Excess				
Code	Conc	Design	Total by design	Load out with excess
D907	67.000 lb/sk	WTSK	20,368.00 lb	20,368.00 lb
D154	12.000 lb/sk	WTSK	3,648.00 lb	3,648.00 lb
D124	21.000 lb/sk	WTSK	6,384.00 lb	6,384.00 lb
D013	0.300 lb/sk	WTSK	91.20 lb	91.20 lb
D046	0.300 lb/sk	WTSK	91.20 lb	91.20 lb
D207	0.300 lb/sk	WTSK	91.20 lb	91.20 lb
D202	0.400 lb/sk	WTSK	121.60 lb	121.60 lb

Resources				
Personnel	Equipment 1	Equipment 2	Assignment	Note
	2CSS04425		9/9/2010 12:15 PM - 9/10/2010 6:17 AM	
	2CSS24561		9/9/2010 12:15 PM - 9/10/2010 6:17 AM	
	CS 7" - W001	CHIK - 22 S002	9/9/2010 12:15 PM - 9/10/2010 6:17 AM	
	HOSE - W004	VALVE - P0018	9/9/2010 12:15 PM - 9/10/2010 6:17 AM	

JOB PROCEDURE

Pressure Test to: 4000 psi

Stage	Volume (bbls)	Density (ppg)	Rate (bpm)	Time (min)
N/A	0	0.00	8	0
MUDPUSH II	30	10.50	8	4
Lead - 11.0 GJ Lead	192	11.00	8	25
Tail - 12.0 LiteCRETE	90	12.00	8	12
Shut Down - Wash Up (20 bbl) - Drop Top Plug				10
Displacement	229	10.00	8	29

Slow down in the last 10 bbls

80 min

DO NOT DISPLACE OVER: 230.9 bbls

Bump the Plug 500 psi over

Check Float bbl's back?

Differential Pressure: 378 psi

Lift Pressure: 3533 psi

Total Water Required: 313 bbl

LEAD:

TT= 4:24

MudPush is Baby ABT 226798 FRONT bottle.

LEAD: Silo 4425 (192 bbl)

TAIL :

TT= 5:01

Silo 24561 (90 bbl)

JOB CALCULATIONS

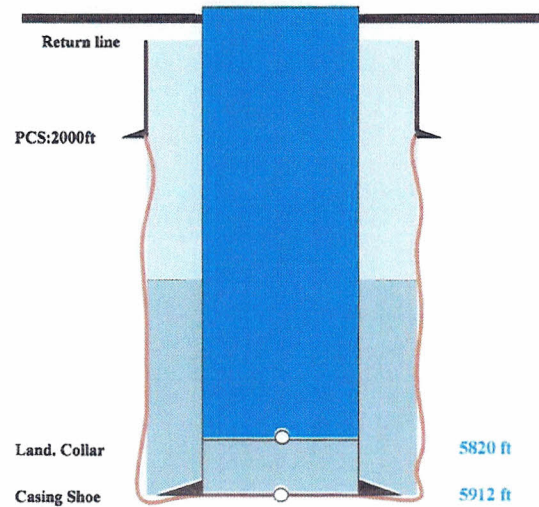
Phase	Preflush	Spacer	Lead	Tail	Displace	Top Out
Fluid Type	N/A	MUDPUSH II	11.0 GJ Lead	12.0 LiteCRETE	Brine	N/A
# of sks			324	302		0
Yield			3.33	1.68		
Density		10.5	11.00	12.00	10.00	
Required Water		80.00%	21.80	5.92		
Volume		30.0	192	90	229.1	

Thickening Time :

OH diameter	8.750	inch
OD	9.578	inch
Weight	36	lb/ft
ID	8.921	inch
Shoe Depth	2000	

Water Required:	
Preflushes:	0
Spacer:	24
Lead:	168
Tail:	43
Displacement:	0
Top Out:	0
Wash Up:	50
Safety:	28
Total:	313 bbl

TOC:	0 ft
Mud Weight:	10.0 ppg



	String 1	String 2	String 3	
OD	7			inch
Weight	23.0			lb/ft
Grade	K-55			
ID	6.366			inch
Burst pressure	4360			psi
Collapse pressure	3270			psi
Bottom MD	5911.8			ft
Shoe joint	91.8			ft

Casing Cap.	0.0393680	0.0000000	0.0000000	bbl/ft
Ann. Cap. In OH	0.0267749	0.0743748	0.0743748	bbl/ft
Ann. Cap. In casing	0.0297103	0.0773102	0.0773102	bbl/ft
Ann. Volume	278.90	0.000	0	bbls

Top of Tail:	4366	ft
Top of Lead:	0	ft
Differential Pressure	378	psi
Lift Pressure	3533	psi

Shoe Joint Volume	3.6	bbls
Annular Volume	164	bbls without excess
Hole Volume	403	bbls without excess
Slurry Volume	283	bbls
Slurry Excess	115	bbls
Annular Excess	110	%

Well	UP 156Y29	Client	Chevron
Field	Rangely	SIR No.	BAD4-00166
Engineer	Terry Borg	Job Type	9 5/8 Surface
Country	United States	Job Date	09-02-2010

Time	Pressure	Rate	Density	Messages
03:21:55				Start Job
03:32:00				Held Safety meeting Pressure Test Lines 500 psi test good Pressure Test Lines 3000 psi test good Start Pumping Spacer 20 bbl Gel Water Good returns
03:42:00				End Spacer Start Cement Slurry Start Mixing Scav Slurry bring to weight 8.47 to 12.5 ppg End Scavenger Slurry Start Mixing Lead Slurry 164 bbl @ 12.5 ppg Good returns Sample = 12.5 ppg
03:52:00				
04:02:00				
04:12:00				End Lead Slurry Start Mixing Scav Slurry Bring to weight 12.5 to 14.0 ppg End Scavenger Slurry Start Mixing Tail Slurry 62 bbl @ 14.0 ppg Good returns Sample = 14.0 ppg End Tail Slurry End Cement Slurry Drop Top Plug Start Displacement 151 bbl water displacement Good returns
04:22:00				125 bbl cement to surface
04:32:00				
04:42:00				
04:52:00				
05:02:00				
05:12:00				
05:23:57				End Displacement Bump Top Plug 1 bbl water back
hh:mm:ss	PSI	B/M	LB/G	



Cementing Service Report

Customer Chevron				Job Number BAD4-00166			
Well UP 156Y29 156Y29		Location (legal)		Schlumberger Location GCO		Job Start Sep/02/2010	
Field Rangely		Formation Name/Type Shale		Deviation		Bit Size 12.3 in	
County Rio Blanco		State/Province Colorado		Well MD 2013.0 ft		Well TVD 2013.0 ft	
Well Master 0631184520		API/UWI 05-10311721		BHP		BHST 103 degF	
Rig Name H&P 316		Drilled For Gas		Service Via Land		BHCT 89 degF	
Offshore Zone		Well Class New		Well Type Development		Pore Press. Gradient	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Casing/Liner	
Service Line Cementing		Job Type 9 5/8 Surface		Depth, ft		Size, in	
Max. Allowed Tubing Press 3000 psi		Max. Allowed Ann. Press 500 psi		Wellhead Connection 9 5/8		Weight, lb/ft	
Service Instructions Cement 9 5/8" surface casing @ 2013ft in 12 1/4" open hole with: 20bbl of Gel water @ 8.47ppg 436 sacks Extended G lead @ 12.5ppg (TOL = 0ft) 227 sacks Extended G tail @ 14.0ppg (TOT= 1500ft) Displace with water.		Perforations/Open Hole		Grade		Thread	
		Top,		Bottom,		No. of Shots	
						Total Interval	
						Diameter	
Treat Down Casing		Displacement 151.0 bbl		Packer Type		Packer Depth	
Tubing Vol.		Casing Vol. 155.0 bbl		Annular Vol. 117.0 bbl		Openhole Vol. 277.0 bbl	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job	
Lift Pressure 990 psi		Shoe Type Guide		Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 2013.0 ft		Tool Type	
No. Centralizers 13		Top Plugs 1		Bottom Plugs		Tool Depth	
Cement Head Type Single		Stage Tool Type		Stage Tool Depth		Tail Pipe Size	
Job Scheduled For Sep/02/2010 13:00		Arrived on Location Sep/02/2010 20:00		Leave Location Sep/03/2010 06:00		Collar Type Diff-Fill	
						Tail Pipe Depth	
						Sq. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
09/03/2010	00:30:31					Started Acquisition	
09/03/2010	03:21:55	12	0.7	8.45	0.0		
09/03/2010	03:22:01					Start Job	
09/03/2010	03:22:01	10	0.0	8.45	0.0		
09/03/2010	03:22:09					Held Safty meeting	
09/03/2010	03:22:09	13	0.8	8.44	0.1		
09/03/2010	03:23:51	9	0.0	8.58	1.6		
09/03/2010	03:24:42					Pressure Test Lines	
09/03/2010	03:24:42	2549	0.0	8.58	1.6		
09/03/2010	03:24:43					500 psi test good	
09/03/2010	03:24:43	2547	0.0	8.58	1.6		
09/03/2010	03:26:31					Pressure Test Lines	
09/03/2010	03:26:31	3699	0.0	8.58	1.7		
09/03/2010	03:26:33					3000 psi test good	
09/03/2010	03:26:33	3698	0.0	8.58	1.7		
09/03/2010	03:27:11	3682	0.0	8.58	1.7		
09/03/2010	03:30:14					Start Pumping Spacer	
09/03/2010	03:30:14	3	0.0	8.58	1.7		
09/03/2010	03:30:16					20 bbl Gel Water	
09/03/2010	03:30:16	4	0.0	8.58	1.7		
09/03/2010	03:30:17					Good returns	
09/03/2010	03:30:17	3	0.0	8.58	1.7		

Well		Field		Job Start	Customer	Job Number
UP 156Y29 156Y29		ily		Sep/02/2010	Che	BAD4-00166
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/H	Density LB/G	Volume BBL	Message
09/03/2010	03:30:31	3	0.0	8.58	1.7	
09/03/2010	03:33:51	109	3.4	8.54	10.4	
09/03/2010	03:37:10					End Spacer
09/03/2010	03:37:10	116	3.3	8.49	21.5	
09/03/2010	03:37:11					Start Cement Slurry
09/03/2010	03:37:11	83	3.3	8.48	21.6	
09/03/2010	03:37:12					Start Mixing Scav Slurry
09/03/2010	03:37:12	83	3.3	8.47	21.6	
09/03/2010	03:37:14					bring to weight 8.47 to 12.5 ppg
09/03/2010	03:37:14	88	3.3	8.46	21.7	
09/03/2010	03:37:35					End Scavenger Slurry
09/03/2010	03:37:35	120	3.3	12.53	22.9	
09/03/2010	03:37:36					Start Mixing Lead Slurry
09/03/2010	03:37:36	115	3.3	12.53	23.0	
09/03/2010	03:37:40					164 bbl @ 12.5 ppg
09/03/2010	03:37:40	112	3.4	12.50	23.2	
09/03/2010	03:37:42					Good returns
09/03/2010	03:37:42	322	3.8	12.49	23.3	
09/03/2010	03:37:45					Sample = 12.5 ppg
09/03/2010	03:37:45	132	4.4	12.47	23.5	
09/03/2010	03:40:31	199	6.4	12.61	38.2	
09/03/2010	03:43:51	251	6.4	12.55	59.4	
09/03/2010	03:47:11	172	5.8	12.52	79.9	
09/03/2010	03:50:31	174	5.9	12.48	99.6	
09/03/2010	03:53:51	223	6.5	12.49	119.9	
09/03/2010	03:57:11	115	4.6	13.05	137.2	
09/03/2010	04:00:31	109	4.6	12.58	152.2	
09/03/2010	04:03:51	112	4.6	12.39	167.4	
09/03/2010	04:04:57					End Lead Slurry
09/03/2010	04:04:57	84	4.6	13.64	172.4	
09/03/2010	04:05:00					Start Mixing Scav Slurry
09/03/2010	04:05:00	76	4.5	13.85	172.6	
09/03/2010	04:05:03					Bring to weight 12.5 to 14.0 ppg
09/03/2010	04:05:03	62	4.3	14.80	172.8	
09/03/2010	04:05:25					End Scavenger Slurry
09/03/2010	04:05:25	100	4.2	13.82	174.4	
09/03/2010	04:05:27					Start Mixing Tail Slurry
09/03/2010	04:05:27	107	4.2	13.82	174.6	
09/03/2010	04:05:41					62 bbl @ 14.0 ppg
09/03/2010	04:05:41	97	4.2	13.83	175.6	
09/03/2010	04:05:44					Good returns
09/03/2010	04:05:44	72	3.1	14.43	175.7	
09/03/2010	04:06:12					Sample = 14.0 ppg
09/03/2010	04:06:12	74	3.3	14.73	177.3	
09/03/2010	04:07:11	130	4.5	13.91	181.5	
09/03/2010	04:10:31	245	6.4	14.05	202.3	
09/03/2010	04:13:51	246	6.4	14.06	223.7	
09/03/2010	04:16:01					End Tail Slurry
09/03/2010	04:16:01	249	6.5	14.05	237.6	
09/03/2010	04:16:03					End Cement Slurry
09/03/2010	04:16:03	252	6.4	13.91	237.8	
09/03/2010	04:17:11	256	6.4	13.74	245.1	
09/03/2010	04:17:33					Drop Top Plug
09/03/2010	04:17:33	-3	0.0	13.89	246.7	
09/03/2010	04:17:34					Start Displacement

Well			Field	Job Start	Customer	Job Number
UP 156Y29 156Y29			ily	Sep/02/2010	Che	BAD4-00166
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
09/03/2010	04:17:34	-3	0.0	13.90	246.7	
09/03/2010	04:17:36					151 bbl water displacement
09/03/2010	04:17:36	-3	0.0	13.90	246.7	
09/03/2010	04:17:38					Good returns
09/03/2010	04:17:38	-3	0.0	13.89	246.7	
09/03/2010	04:20:31	-1	0.0	13.64	246.7	
09/03/2010	04:23:51	15	2.3	9.29	252.4	
09/03/2010	04:27:11	68	4.7	7.27	264.7	
09/03/2010	04:27:43					125 bbl cement to surface
09/03/2010	04:27:43	73	4.6	8.14	267.2	
09/03/2010	04:30:31	110	4.5	8.15	279.8	
09/03/2010	04:33:51	167	4.5	8.43	294.9	
09/03/2010	04:37:11	209	4.5	8.44	310.0	
09/03/2010	04:40:31	264	4.5	8.44	325.0	
09/03/2010	04:43:51	305	4.5	8.44	339.9	
09/03/2010	04:47:11	377	4.5	8.44	354.7	
09/03/2010	04:50:31	490	4.5	8.44	369.5	
09/03/2010	04:53:51	513	4.5	8.44	384.4	
09/03/2010	04:57:11	555	2.0	8.44	392.9	
09/03/2010	05:00:31	560	2.1	8.44	399.8	
09/03/2010	05:03:51	939	0.0	8.44	404.4	
09/03/2010	05:07:11	942	0.0	8.44	404.5	
09/03/2010	05:10:31	943	0.0	8.44	404.5	
09/03/2010	05:13:51	944	0.0	8.44	404.6	
09/03/2010	05:17:11	944	0.0	8.44	404.7	
09/03/2010	05:20:31	946	0.0	8.44	404.7	
09/03/2010	05:22:56					End Displacement
09/03/2010	05:22:56	-5	0.0	8.44	404.7	
09/03/2010	05:22:57					Bump Top Plug
09/03/2010	05:22:57	-5	0.0	8.44	404.7	
09/03/2010	05:23:06					1 bbl water back
09/03/2010	05:23:06	-5	0.0	8.44	404.8	
09/03/2010	05:23:51	-4	0.0	8.44	404.8	
09/03/2010	05:23:53					End Job
09/03/2010	05:23:53	-3	0.0	8.45	404.8	
09/03/2010	05:23:59					Stopped Acquisition

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry 3.4	N2	Mud 0.0	Maximum Rate 6.5	Total Slurry 226.0	Mud 0.0	Spacer 20.0	N2
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum 3712	Final 1000	Average 483	Bump Plug to 1000	Breakdown	Type	Volume	Density
Avg. N2 Percent		Designed Slurry Volume 226.0 bbl		Displacement 158.1 bbl	Mix Water Temp	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 125.0 bbl
				Washed Thru Perfs <input type="checkbox"/>		To	
Customer or Authorized Representative Elmer Tatum			Schlumberger Supervisor Terry Borg			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>

JOB PROCEDURE

Pressure Test to: 500 / 3000 psi

Stage	Volume (bbls)	Density (ppg)	Rate (bpm)	Time (min)
N/A	0	0.00	6	0
Gel Water	20	8.47	6	4
Lead - 12.5 Poz/G Lead	164	12.50	6	28
Tail - 14.0 Surf Tail	62	14.00	6	11
Shut Down - Wash Up - Drop Top Plug				10
Displacement	151	8.34	6	26

Slow down in the last 10 bbls

79 min

DO NOT DISPLACE OVER:

153.0

bbls

Bump the Plug

Check Float

Differential Pressure: 462 psi

Lift Pressure: 990 psi

LEAD:

TT=

4:00

ABT 28211 F/B = 57 bbl B/B = 57 bbl -total 114 bbl

Silo 4425 =49 bbl - All lead = 163

TAIL:

TT=

3:30

Silo 62 bbl