

CEMENT JOB REPORT



CUSTOMER BAYSWATER EXPLORATION &		DATE 08-AUG-15	F.R. # 10011170738		SERV. SUPV. Daniel F Kuenz									
LEASE & WELL NAME CARLSON #B-15-16HC - API 05123417100000		LOCATION 15-5N-65W			COUNTY-PARISH-BLOCK Weld Colorado									
DISTRICT Brighton		DRILLING CONTRACTOR RIG # FRONTIER 8			TYPE OF JOB Intermediate									
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES	MD	TVD				
7" Top Cem Plug, Nitrile cvr, Phen		Float Collar, Pop Valve, 7 - 8rd												
		Float Shoe , Up Jet, 7in., 32 ppf, 8r												
		Stop Collar, 7 in												
		Centralizer, with Pins, 7 in												
		Thread Locking Compound												
MATERIALS FURNISHED BY BJ				LAB REPORT NO.				PHYSICAL SLURRY PROPERTIES						
								SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
FRESH WATER									8.34				20	
MUD CLEAN I									8.5				20	
FRESH WATER									8.34				20	
Fresh Water, Break Circulation									8.34				10	
20:80Poz:III+.5%R3+.2%CD32+.01gpsFP6L				C08-031-15				490	12.5	2.21	12.05	04:11	192.9	140.68
+15#sCSE2+.4%FL57				C08-031-15					12.5				0	
50;50Poz:G+.2%FL63+.3%CD32+.6%FL52				C08-031-15				225	14.4	1.22	5.36	03:45	48.9	28.72
+.3%SMS+2%Gel+.01gpsFP6L				C08-031-15					14.4				0	
Fresh Water									8.34				274	
Available Mix Water <u>400</u> Bbl.				Available Displ. Fluid <u>400</u> Bbl.				TOTAL				585.8	169.40	
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
8.75	25	7430	6.184	7	29	CSG	7419	6965	P-110	7419	7369.7	1		
LAST CASING			PKR-CMT RET-BR PL-LINER				PERF. DEPTH		TOP CONN		WELL FLUID			
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8.9	9.63	36	CSG	840	840	No Packer		0	0	0	7	BTC	WATER BASED	10
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER			
VOLUME	UOM	TYPE		WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator			
273.9	BBLS	Fresh Water		8.34	1769	0	0	0	0	11220	8976	Rig Tanks		
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 8 BPM						
Mud Density In: 10 LBS/GAL				Mud Density Out: 10 LBS/GAL				PV & YP Mud In: 12		PV & YP Mud Out: 12				
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				Units:				Solids Present at End of Circulation:		NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				
Displacement And Mud Removal														
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: 2.5 BBLS										
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL				Method Used to Verify Returns: Visual										
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES										
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 61				Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID						
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD														
Plugs														
Number of Attempts by BJ: 0				Competition: 0				Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES					Quantity:	
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES										
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Top of Plug: 0 FT				Bottom of Plug: 0 FT						
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Rig Running casing when we arrived on location. Approx 26 joints left														

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Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE SHOE SQUEEZE TOP OF LINER SQUEEZE PLANNED UNPLANNED
 Liner Packer: NO YES Bond Log: NO YES PSI Applied: 0 Fluid Weight: 0 LBS/GAL

Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud Time Held: 00 Hours 00 Minutes

Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL
 Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

C958 Both water meters - main and back up not reading, will mix entire cement job manually. C-side pressure not reading therefore no over pressure kick out, isolated c-side and pumped with only the b-side. Wireless lan not being picked up by Job Master, ran cable to read pump. Cable did not read either. Did a hard reset and eventually got system to read via hard cable.

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

C970 B-side mix water couple & love joy completely spun out. C-side mix water couple & love joy seperating and starting to spin out.

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)

None

to run into hole.

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	5169 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
21:30						YARD CALL	
23:00						PRE-JOB CONVOY SAFETY MEETING	
23:15						DEPART BHI YARD	
00:00						ARRIVE ON LOCATION	
00:15						ALL EO'S OFF DUTY WELLSITE, RIG RUNNING CASING	
01:00						ALL EO'S BACK ON DUTY	
01:01						SAFETY WALK AROUND ON LOCATION	
01:05						PRE-RIG UP SAFETY MEETING	
01:10	836	0	8	480	WBM	CASING LANDED, RIG CIRCULATING	
01:11						SPOT CEMENT EQUIPMENT ON LOCATION	
01:15						RIG UP GROUND IRON, BULK TRUCKS & WATER HOSES	
01:50						PRE-JOB SAFETY MEETING	
02:05						STAB CEMENT HEAD	
02:17	269	0	2.4	2	H2O	LOAD LINES, FRESH WATER SPACER	
02:19	5169	0	0	0	H2O	PRESSURE TEST HARD LINES	
02:23	469	0	4.9	18	H2O	FRESH WATER SPACER	
02:29	469	0	4.9	20	H2O	MUD CLEAN 1 SPACER	
02:33	469	0	4.9	20	H2O	FRESH WATER SPACER	
02:39	0	0	0	0	H2O	SHUT DOWN, CEMENT PUMP DOWN, BOTH MIX WATER COUPLERS & LOVE JOYS SPUN OUT	
03:00						DEPART FOR BHI YARD TO RETRIEVE 2nd CEMENT PUMP	
03:38						ARRIVE ON BHI YARD, PRE-TRIP CEMENT PUMP	
04:20						DEPART BHI YARD	
05:00						ARRIVE ON LOCATION	
05:30						CABLE FOR READING CEMENT PUMP/JOB MASTER DEPART BHI YARD	
06:08						CABLE ARRIVED ON LOCATION	
06:10						PRE-JOB SAFETY MEETING	
06:25						NOT READING CEMENT PUMP WIRELESS OR HARD LINE	
06:40						HARD RESET SYSTEM	
06:50							

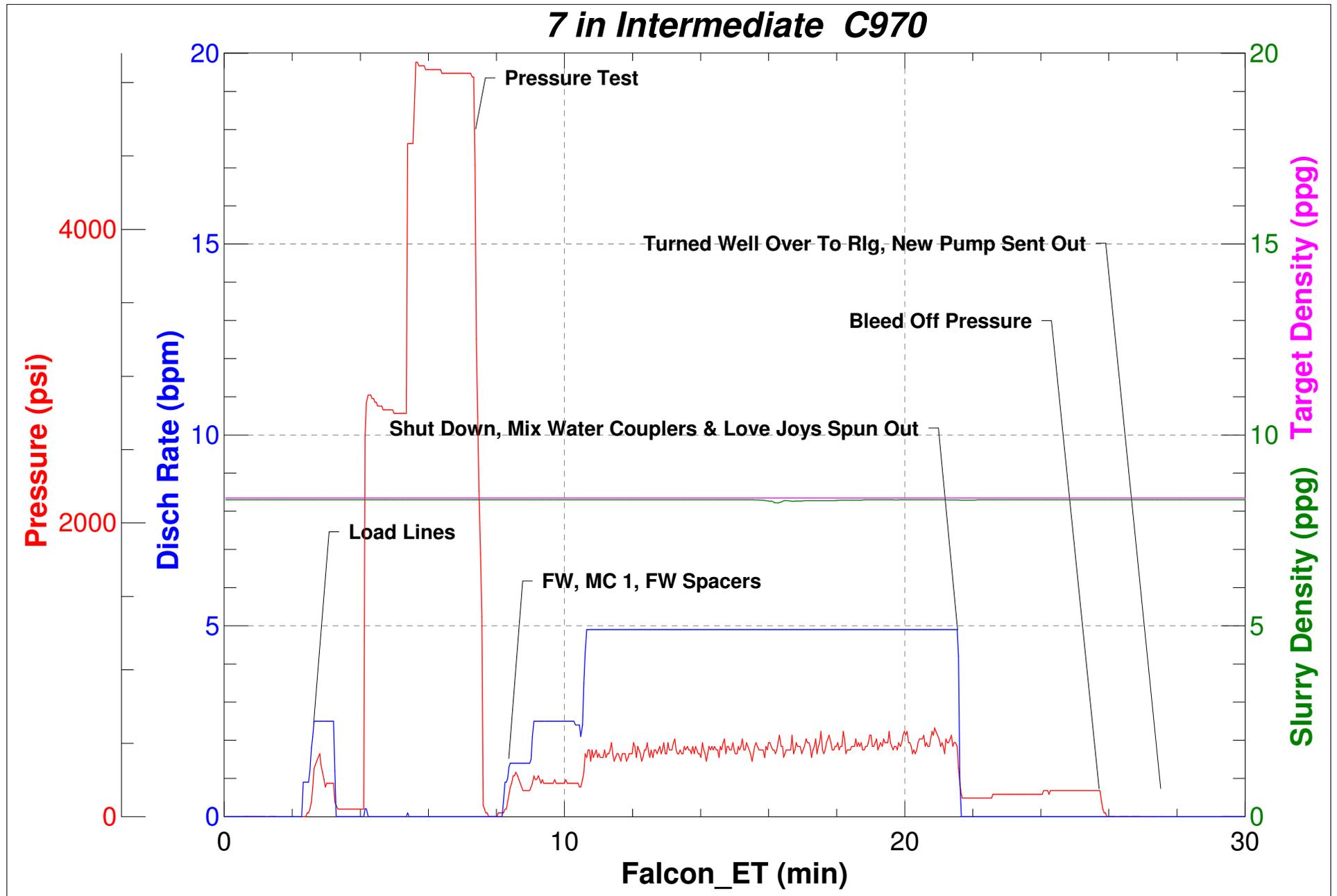
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	PIPE	ANNULUS				TEST LINES 5169 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
						READING CEMENT PUMP	
06:54	569	0	4.9	10	H2O	FRESH WATER SPACER, BREAK CIRCULATION	
06:58	0	0	0	0	CEMENT	BATCH UP LEAD CEMENT SLURRY 12.5#	
07:02	619	0	5.5	100	CEMENT	490sks(20:80)Poz:TYPE III @ 12.5# LEAD CEMENT SLURRY	
07:21	236	0	5.5	92.9	CEMENT	490sks(20:80)Poz:TYPE III @ 12.5# LEAD CEMENT SLURRY	
07:36	336	0	4.8	48.9	CEMENT	225sks(50:50)Poz:G @ 14.4# TAIL CEMENT SLURRY	
07:48	0	0	0	0	CEMENT	SHUT DOWN, WASH UP CEMENT PUMP, DROP TOP PLUG	
07:55	109	0	6.9	100	H2O	FRESH WATER DISPLACEMENT	
08:12	106	0	7.2	26	H2O	FRESH WATER DISPLACEMENT	
08:16	690	0	7	74	H2O	CAUGHT CEMENT, FRESH WATER DISPLACEMENT	
08:26	1469	0	4.9	40	H2O	FRESH WATER DISPLACEMENT	
08:35	0	0	0	0	H2O	SHUT DOWN, SWITCH RETURNS TO CATCH TANK	
08:36	1806	0	2.4	34	H2O	FRESH WATER DISPLACEMENT	
08:50	2906	0	0	0	H2O	BUMP PLUG 750 psi OVER FINAL LIFT PRESSURE	
09:00	3016	0	0	0	H2O	TEST FLOATS, BLEED OFF PRESSURE	
09:04	0	0	0	0	H2O	FLOATS HELD, 2.5 bbls FLOWED BACK	
09:05						SHUT DOWN, TURNED WELL BACK OVER TO RIG	
09:06						POST-JOB SAFETY MEETING, RIG DOWN	
						9 bbls OF CEMENT BACK TO SURFACE	
						TOP OF LEAD CEMENT @ SURFACE	
						TOP OF TAIL CEMENT @ APPROX 5669'	
						THANK YOU FOR YOUR SAFE WORK, GOOD COMMUNICATION & COOPERATION !!!!! DANIEL & THE CREW	

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	2906	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	9	585.8	0	Y <input checked="" type="checkbox"/> N	

7 in Intermediate C970



7 in Intermediate C958

