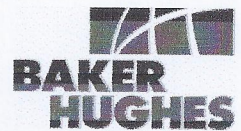
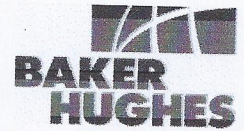


CEMENT JOB REPORT



CUSTOMER ENCANA OIL & GAS (USA) INC			DATE 14-JUL-12		F.R. # 1001922333		SERV. SUPV. COLE W MARRIOTT							
LEASE & WELL NAME ARISTOCRAT ANGUS #4-8-4 - API 0512333996000			LOCATION 4-3N-65W			COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton			DRILLING CONTRACTOR RIG # ENSIGN 17			TYPE OF JOB Surface								
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD			
Cement Plug, Rubber, Top 8-5/8 in		Float Collar, Auto Fill, 8-5/8 - 8rd												
		Float Shoe 8-5/8 - 8rd												
MATERIALS FURNISHED BY BJ			LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES									
					SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER			
Fresh Water			0		0	8.34	0	0	00:00	35.67				
Fresh Water + Dye			0		0	8.34	0	0	00:00	10				
Type III + 1.5% CaCl ₂ + 1.5% CF			0		257	14.5	1.41	6.82	02:30	64.36	41.73			
Available Mix Water 500 Bbl.			Available Displ. Fluid 200 Bbl.		TOTAL					110.03	41.73			
HOLE		TBG-CSG-D.P.						COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
12.25	40	600	8.097	8.625	24	CSG	600	600						
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.
						No packer		0			8.625	8RD	WATER BASED	9.2
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				
35.7	BBLS	Fresh Water	8.34		0	0	0	0	2360	1000	Rig			
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 5 BPM					
Mud Density In: 9.3 LBS/GAL Mud Density Out: 9.3 LBS/GAL						PV & YP Mud In:			PV & YP Mud Out:					
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: .3 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"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 4		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					
Squeezes (Update Original Treatment Report for Primary Job)														
BLOCK SQUEEZE <input type="checkbox"/> SHOE SQUEEZE <input type="checkbox"/> TOP OF LINER SQUEEZE <input type="checkbox"/> PLANNED <input type="checkbox"/> UNPLANNED <input type="checkbox"/>														
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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								

CEMENT JOB REPORT



Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
None

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
None

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
None

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None

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	2997 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
02:45	0	0	0	0	N/A	Arrive on location	35 miles
03:30	0	0	0	0	N/A	Spot trucks rig running casing	
03:40	0	0	0	0	N/A	Pre rig up safety meeting	
04:20	0	0	0	0	N/A	Pre job safety meeting	
04:42	2997	0	0	0	H2O	Pressure test	
04:46	56	0	5	20	H2O	Fresh water	
04:51	75	0	5	10	H2O	Dyed spacer	
04:55	63	0	4.8	56	CMT	Batch up weigh and pump 245 sxs Of Type III Cement + 0.08% lbs/sack Static Free + 1.5% Calcium Chloride + 0.15 lbs/sack Cello Flake	
05:13	0	0	0	0	N/A	Drop plug	
05:14	154	0	4.8	30	H2O	Displacement	
05:20	186	0	3.6	7	H2O	Slow rate	
05:23	186	0	3.6	0	H2O	Bump plug	
05:23	785	0	0	0	H2O	Plug down	
05:25	347	0	0	0	N/A	PSI left on casing shut in	
BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 186	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 7	TOTAL BBL. PUMPED 123	PSI LEFT ON CSG 347	SPOT TOP OUT CEMENT <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Service Supervisor Signature:



BJ Services JobMaster Program Version 3.50
Job Number: 1001922333
Customer: Encana
Well Name: Aristocrat Angus 4-8-4

