

CEMENT JOB REPORT



CUSTOMER BAYSWATER EXPLORATION			DATE 29-JAN-13		F.R. # 1001962091		SERV. SUPV. COLE W MARRIOTT						
LEASE & WELL NAME HIRSCH #14-24 - API 05123364100000			LOCATION 26-7N-67W			COUNTY-PARISH-BLOCK Weld Colorado							
DISTRICT Brighton			DRILLING CONTRACTOR RIG # Ensign 7			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, Dif 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 FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
Fresh Water				0		0	8.34	0	0	00:00	43.31		
Fresh Water + Dye				0		0	8.34	0	0	00:00	10		
TypeIII+ 2%CaCl+.25%CF+.08SF				0		300	14.5	1.41	6.82	00:00	68.89	44.52	
Available Mix Water 500 Bbl.				Available Displ. Fluid 100 Bbl.		TOTAL				122.20	44.52		
HOLE			TBG-CSG-D.P.					COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
12.25	25	770	8.097	8.625	24	CSG	756	756	J-55	756	714	0	
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
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			
45.5	BBLs	Fresh Water	8.34	537	0	0	0	0	2160	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 LBS/GAL Mud Density Out: 9 LBS/GAL						PV & YP Mud In: 0			PV & YP Mud Out: 0				
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: 1 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 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	3119 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
20:25	0	0	0	0	N/A	Arrive on location 52 miles	
22:40	0	0	0	0	N/A	Spot trucks rig starts circulating	
22:45	0	0	0	0	N/A	Pre rig up safety meeting	
23:45	0	0	0	0	N/A	Pre job safety meeting	
00:09	3119	0	0	0	H2O	Pressure test	
00:15	87	0	4.8	40	H2O	Fresh water	
00:25	72	0	4	72	CMT	Batch up weigh and pump 300 sxs of Type III Cement + 0.08lbs/sack Static Free + 2% Calcium Chloride + 0.25lbs/sack Cello Flake	
00:53	0	0	0	0	N/A	Drop plug	
00:55	226	0	4.8	45.5	H2O	Displacement	
01:04	226	0	4.8	0	H2O	Bump plug	
01:04	679	0	0	0	N/A	Plug down	
01:08	279	0	0	0	N/A	Shut well head in	
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	226	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	14	157.5	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

x C. W. J.



Baker Hughes JobMaster Program Version 3.60

Job Number: 1001962091

Customer: Bayswater

Well Name: Hirsch 14-24 14-24

C992





FIELD RECEIPT NO. 1001962091

CUSTOMER BAYSWATER EXPLORATION & PRODUC				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20007918 - 00244714		INVOICE NUMBER	
MAIL INVOICE TO : STREET OR BOX NUMBER 730 17TH ST, STE 610				CITY DENVER		STATE Colorado		ZIP CODE 80202			
DATE WORK COMPLETED MO. 01 DAY 29 YEAR 2013		BHI REPRESENTATIVE COLE W MARRIOTT		WELL APINO: 05123364100000		WELL TYPE : New Well					
DISTRICT BJS, BRIGHTON				JOB DEPTH (ft) 756		WELL CLASS : Gas					
WELL NAME AND NUMBER HIRSCH #14-24				TD WELL DEPTH (ft) 770		GAS USED ON JOB : No Gas					
WELL LOCATION : 26-7N-67W		COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Surface					
PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT				
100112	Calcium Chloride	lbs	✓ 564								
100295	Cello Flake	lbs	✓ 75								
488019	FP-6L	gals	✓ 3								
499632	Granulated Sugar	lbs	✓ 50								
499680	Static Free	lbs	✓ 24								
499703	Type III Cement	sacks	✓ 300								
SUB-TOTAL FOR Product Material											
A152	Personnel Per Diem Chrg - Cement Svc	ea	1								
M100	Bulk Materials Blending Charge	cu ft	317								
SUB-TOTAL FOR Service Charges											

SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.

SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.

CUSTOMER AUTHORIZED AGENT ☒ **BHI APPROVED** ☒

SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS



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BAYS WATER EXPLORATION & PRODUC								20007918 - 00244714			
MAIL				STREET OR BOX NUMBER		CITY		STATE		ZIP CODE	
				730 17TH ST, STE 610		DENVER		Colorado		80202	
INVOICE TO :								WELL TYPE :			
DATE WORK COMPLETED		MO.	DAY	YEAR	WELL API NO:				New Well		
01 29 2013		01	29	2013	05123364100000						
DISTRICT						JOB DEPTH (ft)		WELL CLASS :			
BJS, BRIGHTON						756		Gas			
WELL NAME AND NUMBER						TD WELL DEPTH (ft)		GAS USED ON JOB :			
HIRSCH #14-24						770		No Gas			
WELL LOCATION :		LEGAL DESCRIPTION		COUNTY/PARISH		STATE		JOB TYPE CODE :			
26-7N-67W				Weld		Colorado		Surface			
PRODUCT CODE	DESCRIPTION			UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT		
F053A	Cement Pumping, 0 - 1000 ft			4hrs	1						
F090	Fuel per pump charge - cement			pump/hr	2						
J050	Cement Head			job	1						
J225	Data Acquisition, Cement, Standard			job	1						
J390	Mileage, Heavy Vehicle			miles	10						
J391	Mileage, Auto, Pick-Up or Treating Van			miles	104						
	SUB-TOTAL FOR Equipment										
J401	Bulk Delivery, Dry Products			ton-mi	752						
	SUB-TOTAL FOR Freight/Delivery Charges										
	FIELD ESTIMATE										

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X BHI APPROVED

[Signature]

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Craig Weitzel