CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER BAYSWATER EXPLORATION	DATE 14-JAN-14	F.R. # 10011038900	SERV. SUPV. REESE A ANDERSON
LEASE & WELL NAME HIRSCH #11-24 - API 05123379190000	**LOCATION** 24-7N-67W		**COUNTY-PARISH-BLOCK** Weld Colorado
DISTRICT Brighton	**DRILLING CONTRACTOR RIG #** Ensign 122		**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 Shoe 8-5/8 - 8rd						
	Alum Baffle Plate, Slip On, 8-5/8						

PHYSICAL SLURRY PROPERTIES

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	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	48.40	
Fresh Water + Dye	0	0	8.34	0	0	00:00	10	
TypeIII + Adds		325	14.5	1.41	6.82	02:30	81.6	52.74
Available Mix Water 400 Bbl.	Available Displ. Fluid 400 Bbl.					TOTAL	140.00	52.74

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25	25	800	8.097	8.625	24	CSG	837	837	J-55	837	794	

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	8 RD	WATER BASED	8.4

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	
50.5	BBLS	Fresh Water	8.34	500	0	0	0	0	0	1000	RIG TANK

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ]	Circulation Time: 1	Circulation Rate: 6 BPM
Mud Density In: 8.4 LBS/GAL	Mud Density Out: 8.4 LBS/GAL	PV & YP Mud In: 0	PV & YP Mud Out: 0
Gas Present: NO [X] YES [ ] Units:	Solids Present at End of Circulation: NO [X] YES [ ]	

Displacement And Mud Removal

Displaced By: Rig [ ] BJ [X]   Amount Bled Back After Job: 1 BBLS

Returns During Job: NONE [ ] PARTIAL [X] FULL [ ]   Method Used to Verify Returns: VISUAL

Cement Returns at Surface: [X] YES [ ] NO   Were Returns Planned at Surface: NO [ ] [X] YES

Pipe Movement: [ ] ROTATION [ ] RECIPROCATION [X] NONE [ ] UNABLE DUE TO STUCK PIPE

Centralizers: [ ] NO [X] YES   Quantity: 6   Type: [ ] BOW [ ] RIGID

Job Pumped Through: [ ] CHOKE MANIFOLD [ ] SQUEEZE MANIFOLD [ ] MANIFOLD [ ] NO MANIFOLD

Plugs

Number of Attempts by BJ: 0   Competition: 0   Wiper Balls Used: [X] NO [ ] YES   Quantity:

Plug Catcher Used: [X] NO [ ] YES   Parabow Used: [X] NO [ ] YES

Was There a Bottom: [X] NO [ ] YES   Top of Plug: 0 FT   Bottom of Plug: 0 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE [ ]   SHOE SQUEEZE [ ]   TOP OF LINER SQUEEZE [ ]   PLANNED [ ]   UNPLANNED [ ]

Liner Packer: [X] NO [ ] YES   Bond Log: [X] 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

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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 [X] CO. REP. [X]			
	PIPE	ANNULUS				TEST LINES 4065 PSI			
						CIRCULATING WELL - RIG [X] BJ [ ]			
05:00	0	0	0	0	NA	YARD CALL			
07:00	0	0	0	0	NA	LEAVE YARD			
08:08	0	0	0	0	NA	ARRIVE ON LOCATION			
11:18	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP MEETING/RIG UP			
13:54	0	0	0	0	NA	SAFETY MEETING			
14:35	4065	0	0	0	H20	PRESSURE TEST			
14:39	269	0	4.8	20	H20	FRESH WATER SPACER			
14:44	252	0	4.8	10	H20	DYED SPACER			
14:52	327	0	4.3	81	CMT	325 SACKS 14.5 PPG CEMENT			
15:20	0	0	0	0	NA	DROP PLUG			
15:16	302	0	4.8	30	H20	DISPLACEMENT			
15:20	317	0	3.6	10	H20	RATE CHANGE			
15:25	302	0	1.7	10.5	H20	RATE CHANGE			
15:28	671	0	0	50.5	NA	BUMP PLUG			
15:32	250	0	0	0	NA	SHUT IN HEAD @ 250 PSI			
15:35	0	0	0	0	NA	PRE RIG DOWN MEETING/RIG DOWN			

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:
[Y] N	671	Y [N]	10	161.5	250	Y [N]	

Baker Hughes JobMaster Program Version 3.60
Job Number: 10011038900
Customer: BAYSWATER
Well Name: HIRSCH 11-24

C973

Job Start: Tuesday, January 14, 2014

Baker Hughes

Load Sheet

BAKER HUGHES

DISTRICT Brighton   **WELL NAME** HIRSCH #11-24

DISPATCH SHEET NO.

CUSTOMER BAYSWATER EXPLORATION & PRODUCTION   **JOB DATE** JAN-14-2014

BRANCH BULK PLANT BJS, BRIGHTON   **FIELD RECEIPT NO.** 10011038900   **FIELD RECEIPT DATE** JAN-14-2014

PRODUCT DESCRIPTION	ITEM NO.	UOM	QUANTITY ORDERED	QUANTITY LOADED/ BLENDED	QUANTITY RETURNED	NET USAGE	VERIFIED TO FIELD RECEIPT
Calcium Chloride	100112	lbs	570	911	0	911	
Cello Flake	100295	lbs	76	82	0	82	
Sodium Chloride	100404	lbs	0	100	0	100	
FP-6L	488019	gals	0	3	0	3	
Granulated Sugar	499632	lbs	0	50	0	50	
Static Free	499680	lbs	25	26	0	26	
Type III Cement	499703	sacks	303	325	0	325	

COMMENTS:

ISSUED BY   Robert Kibler   **DATE** JAN-13-2014

RECEIVED TO LOCATION   REESE ANDERSON   **DATE** JAN-14-2014
SERVICE SUPERVISOR

RETURNS VERIFIED BY   **DATE**

APPROVAL   SCOTT D SMITH
OPERATIONS SUPERVISOR

CUSTOMER SIGNATURE