CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER BAYSWATER EXPLORATION,	DATE 12-DEC-13	F.R. # 10011032529	SERV. SUPV. REESE A ANDERSON

LEASE & WELL NAME HECKMAN #16-20 - API 051233780070000	LOCATION 29-7N-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	Alum Baffle Plate, Slip On, 8-5/8						
	Float Shoe 8-5/8 - 8rd						

PHYSICAL SLURRY PROPERTIES

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	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	46.49	
Fresh Water + Dye	0	0	8.34	0	0	00:00	10	
TypeIII + Adds		295	14.5	1.41	6.82	02:30	74.1	47.89
Available Mix Water 400 Bbl. Available Displ. Fluid 400 Bbl.						TOTAL	130.59	47.89

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	793	793	J-55	793	751	

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	8.5

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	
48	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: 4 BPM
Mud Density In: 8.5 LBS/GAL Mud Density Out: 8.5 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: 0 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

BAKER HUGHES

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	EXPLANATION
	PIPE	ANNULUS				

SAFETY MEETING: BJ CREW [X]   CO. REP. [X]
TEST LINES   3871 PSI
CIRCULATING WELL - RIG [X]   BJ [ ]

TIME HR:MIN.	PIPE	ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
04:45	0	0	0	0	NA	YARD CALL
07:12	0	0	0	0	NA	LEAVE YARD
08:09	0	0	0	0	NA	ARRIVE ON LOCATION
09:21	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP MEETING/RIG UP
09:49	0	0	0	0	NA	SAFETY MEETING
10:18	3871	0	0	0	H20	PRESSURE TEST
10:23	200	0	4	10	H20	FRESH WATER SPACER
10:27	175	0	4	10	H20	DYED SPACER
10:34	76	0	3.4	75	CMT	295 SACKS 14.5 PPG CEMENT
11:13	202	0	4	40	H20	DISPLACEMENT
11:32	350	0	3	8	H20	RATE CHANGE
11:40	650	0	3	48	H20	BUMP PLUG/2 BBLS CEMENT RETURNED
11:43	250	0	0	0	NA	BLEED DOWN/SHUT IN HEAD
11:45	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	650	[Y] N	2	143	250	Y [N]	

Load Sheet

BAKER HUGHES

DISTRICT Brighton   **WELL NAME** HECKMAN #16-20

DISPATCH SHEET NO.

CUSTOMER BAYSWATER EXPLORATION & PRODUCTION   **JOB DATE** DEC-12-2013

BRANCH BULK PLANT BJS, BRIGHTON   **FIELD RECEIPT NO** 10011032529   **FIELD RECEIPT DATE** DEC-12-2013

PRODUCT DESCRIPTION	ITEM NO.	UOM	ORDERED	QUANTITY LOADED/ BLENDED	RETURNED	NET USAGE	VERIFIED TO FIELD RECEIPT
Calcium Chloride	100112	lbs	549	555	0	555	
Cello Flake	100295	lbs	73	74	0	74	
FP-6L	488019	gals	0	2	0	2	
Granulated Sugar	499632	lbs	0	50	0	50	
Static Free	499680	lbs	24	24	0	24	
Type III Cement	499703	sacks	292	295	0	295	

COMMENTS:

ISSUED BY Robert Kibler   **DATE** DEC-11-2013

RECEIVED TO LOCATION REESE ANDERSON   **DATE** DEC-12-2013
SERVICE SUPERVISOR

RETURNS VERIFIED BY   **DATE**

APPROVAL SCOTT D SMITH
OPERATIONS SUPERVISOR

CUSTOMER SIGNATURE

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