CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER	BAYSWATER EXPLORATION	DATE 14-JUL-15	F.R. # 10011165862	SERV. SUPV. FELIPE LANDA

LEASE & WELL NAME	LOCATION	COUNTY-PARISH-BLOCK
CARLSON #D-15-16HN - API 05123417140000	15-5N-65W	Weld Colorado

DISTRICT	DRILLING CONTRACTOR RIG #	TYPE OF JOB
Brighton	FRONTIER 8	Surface

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
9-5/8" Top Cem Plug, Nitrile cvr, Phe	Alum Baffle Plate, Slip On, 9-5/8						
	Centralizer, with Pins, 9-5/8 in						
	Cement Basket, Slip On, 9-5/8 in						
	Float Shoe 9-5/8 - 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			8.34				20	
Type III Cement + Adds		275	14.5	1.40	6.80		68.5	44.41
Fresh Water			8.34				61.7	
Available Mix Water 200 Bbl.	Available Displ. Fluid 200 Bbl.					TOTAL	150.2	44.41

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25	30	850	8.921	9.625	36	CSG	842	800		842	799	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			9.625	8RD	WATER BASED	8.34

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	
61.7	BBLS	Fresh Water	8.34	255	0	0	0	0	3520	2816	TANK

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ] Circulation Time: 1 Circulation Rate: 4 BPM

Mud Density In: 8.34 LBS/G Mud Density Out: 8.34 LBS/GAL PV & YP Mud In: PV & YP Mud Out:

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 [ ] NONE [ ] UNABLE DUE TO STUCK PIPE

Centralizers: [ ] NO [X] YES Quantity: 8 Type: [ ] BOW [ ] RIGID

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

Plugs

Number of Attempts by BJ: 0 Competition: 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

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

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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)
  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

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   3046 PSI
CIRCULATING WELL - RIG [X]   BJ [ ]

TIME HR:MIN.	PIPE	ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
16:30	0	0	0	0	NA	ARRIVE ON LOCATION
16:45	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP SAFETY MEETING
18:00	0	0	0	0	NA	PRE JOB SAFETY MEETING
18:22	0	0	.8	1	H2O	LOAD LINES
18:34	3046	0	0	0	H2O	PRESSURE TEST
18:27	217	0	5	10	H2O	FRESH WATER
18:31	230	0	5	10	H2O	FRESH WATER + DYE
18:35	402	0	5	66	CEMENT	275 SACKS OF TYPE III CEMENT + 0.08 lbs/sack STATIC FREE + 1% CALCIUM CHLORIDE + 0.25 lbs/sack CELLO FLAKE + 0.01 gps FP-6L @ 14.5 PPG
19:05	0	0	0	0	NA	DROP PLUG
19:06	495	0	5	40	H2O	DISPLACE
19:14	396	0	3.5	10	H2O	RATE CHANGE
19:17	381	0	2	11	H2O	RATE CHANGE
19:22	844	0	2	0	H2O	BUMP PLUG @ 61.5 BBLS (18 bbls cement to surface)
19:24	0	0	0	0	H2O	CHECK FLOATS
19:30	0	0	0	0	NA	POST JOB SAFETY MEETING

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	844	[Y] N	18	147	0	Y [N]	

CARLSON D-15-16HN (4th surface)

Pressure (psi) — Mech.Rate 1+2 (bpm) — Disch Rate (bpm) — Target Density (ppg) — Slurry Density (ppg) — Falcon_ET (min)

Labels: pressure test, cement, spacer, displace, bump plug