

CEMENT JOB REPORT



CUSTOMER BAYSWATER EXPLORATION &			DATE 03-DEC-15		F.R. # 10011187033		SERV. SUPV. JASON L SJOBERG							
LEASE & WELL NAME HESTER FARMS #K-36HC - API 05123419950000			LOCATION 31-7N-66W			COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton			DRILLING CONTRACTOR RIG # Frontier 8			TYPE OF JOB 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		Guide Shoe, Cement Nose, 9-5/8 i												
		Float Collar, Auto Fill, 9-5/8 - 8rd												
		Centralizer, with Pins, 9-5/8 in												
		Cement Basket, Slip On, 9-5/8 in												
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							8.34				10			
Type III Cement + Adds						700	14.5	1.40	6.80	02:10	174.5	113.13		
Fresh Water							8.34				116.5			
Fresh Water + Dye							8.34				10			
Fresh Water							8.34				80			
Type III Cement + Adds						350	14.5	1.4	6.8	01:58	87	56.49		
Fresh Water							8.34				38			
Available Mix Water 550 Bbl.				Available Displ. Fluid 550 Bbl.		TOTAL				516	169.62			
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
13.5	30	1562	8.921	9.625	36	CSG	1552	1552	J-55	1552	1507	1		
			1.278	1.66	3.02	TBG			N-80					
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.
16.	16		CSG	80	80	No Packer		0	0	0	9.625	8 RND	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			
20	BBLS	Fresh Water		8.34	481	0	0	0	0	2816	1500	Frac Tank		
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 6 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 <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: 0 BBLS								
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input 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: 17			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				

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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

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

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
 20 bbls into displacement, the pump overpressured to 1578 psi from 100 psi in a matter of seconds. There were no returns during the 20 bbls of displacement. Multiple attempts were made to continue pumping, but each time the pump overpressured. I broke off a cap on the head after bleeding off pressure and visually verified that the lines were clear and the pump was pumping fluid. We set kickouts to 2000psi and 2800psi respectively and overpressured each time we attempted to pump. We pumped a total of 210 bbls before overpressuring. The casing capacity was 120 bbls. Setup time for this slurry was 2:10. We overpressured at 1:08 from the time we batched up the cement.

During the first top out job, the slurry pump went out on the pump after pumping 36 bbls. I called for another pump and the rig started pulling tubing out of the hole.

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	3881 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
18:00	0	0	0	0	N/A	Yard call	
19:00	0	0	0	0	N/A	Leave yard	
19:55	0	0	0	0	N/A	Arrive on location	
20:00	0	0	0	0	N/A	Rig running casing	
23:10	0	0	0	0	N/A	Spot trucks/pre rig-up safety meeting	
23:35	0	0	0	0	N/A	Safety meeting	
00:10	3881	0	0	0	H2O	Pressure test pump and lines	
00:20	209	0	5	10	H2O	Preflush fresh water	
00:24	162	0	5	10	H2O	Preflush dye water	
00:28	306	0	5	171	CMT	Batch, weigh, pump 700 sks 14.5# Type III Cement + .08 lbs/sack Static Free + 1% CaCl + .25 lbs/sack Cello Flake	
01:18	0	0	0	0	N/A	Shut down, done pumping cement	
01:23	0	0	0	0	N/A	Drop plug	
01:27	85	0	4.5	20	H2O	Displacement	
01:36	1578	0	4.5	0	H2O	Overpressured	
01:38	1470	0	0	0	N/A	Bleed off pressure	
01:39	1601	0	4	1	H2O	Overpressured	
01:40	1520	0	0	0	N/A	Bleed off pressure	
01:41	1550	0	2.5	1	H2O	Overpressured	
01:45	1390	0	0	0	N/A	Bleed off pressure	
01:48	0	0	0	0	N/A	Verified lines are clear, broke off cap on manifold and started pumping. Visually verified flow from pump.	
01:50	1515	0	2.7	1	H2O	Overpressured	
01:54	1350	0	0	0	N/A	Bleed off pressure	
02:01	2100	0	2.7	1	H2O	Kickouts set to 2000 per Spike. Overpressured	
02:08	2775	0	.7	.2	H2O	Kickouts set to 2800 per Spike. Overpressured	
02:10	2740	0	0	0	N/A	Bleed off pressure	
02:15	0	0	0	0	N/A	Called Eric Harbin (ops sup) to let him know what was happening	
03:11	0	0	0	0	N/A	Post job safety meeting	
07:30	0	0	0	0	N/A	Travel back to yard to get another pump and bulk trucks to top out well	

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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 3881 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
11:15	0	0	0	0	N/A	Leave yard	
12:26	0	0	0	0	N/A	Arrive on location	
12:50	0	0	0	0	N/A	Stop trucks/pre rig-up safety meeting	
14:06	4582	0	0	0	H2O	Pressure test pump and lines	
14:10	80	0	.5	3	H2O	Pump fresh water down tubing set at 570'	
14:15	281	0	.9	5	H2O	Increase rate	
14:20	0	0	0	0	N/A	Got circulation, shut down and break off to let rig continue running in hole with 1" tubing	
15:22	0	0	0	0	N/A	Rig tagged cmt @ 718', rig up swage and top connection	
15:30	81	0	.4	1	H2O	Preflush fresh water	
15:32	200	0	.8	9	H2O	Increase rate	
15:43	429	0	1.3	70	H2O	Increase rate	
16:37	0	0	0	0	N/A	Shut down @ 80 bbls pumped	
16:42	0	0	0	0	N/A	Safety meeting	
16:51	431	0	1.3	10	H2O	Preflush dye water	
17:02	138	0	.7	36	CMT	Batch, weigh, pump 144 sks 14.5# Type III Cement + .08 lbs/sack Static Free + 1% CaCl + .25 lbs/sack Cello Flake	
17:53	0	0	0	0	N/A	Slurry pump went out on pump	
17:58	0	0	0	0	N/A	Informed Siji of situation, rig is going to pull tubing, called for another pump	
19:27	0	0	0	0	N/A	Tubing broke off downhole, rig pulled approx 275'. They will go back in with more tubing to about 300' to cement up from there	
20:18	0	0	0	0	N/A	Rig tagged cement at about 300'	
20:47	330	0	1.5	38	H2O	Preflush fresh water	
23:15	0	0	0	0	N/A	Safety meeting	
23:33	221	0	1.1	47	CMT	Batch, weigh, pump 206 sks 14.5# Type III Cement + .08 lbs/sack Static Free + 1% CaCl + .25 lbs/sack Cello Flake	
00:35	0	0	0	0	N/A	Done pumping cement (cement to surface @ 36 bbls away, pumped 11 more bbls)	
00:50	0	0	0	0	N/A	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 <input checked="" type="checkbox"/> N	0	Y <input checked="" type="checkbox"/> N	10	216	0	Y <input checked="" type="checkbox"/> N	





