

CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XM		DATE 31-MAY-16		F.R. # 10011199481		SERV. SUPV. Anthony J Staples	
LEASE & WELL NAME HORSETAIL #07H-0615 - API 05123430430000		LOCATION		COUNTY-PARISH-BLOCK Weld Colorado			
DISTRICT Brighton		DRILLING CONTRACTOR RIG # UNIT 406		TYPE OF JOB Surface			
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD
9-5/8" Top Cem Plug, Nitrile cvr, Phe		Float Shoe 9-5/8 - 8rd					
		Float Collar, Auto Fill, 9-5/8 - 8rd					
		Centralizer, with Pins, 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
Fresh Water				0	8.34	0	0
Type III Cement + Adds				892	14.5	1.40	02:10
Fresh Water					8.34	0	0
Available Mix Water 200 Bbl.		Available Displ. Fluid 200 Bbl.		TOTAL		398.79	144.18
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD
13.5	15	2083	8.921	9.625	36	CSG	2073
						GRADE	SHOE
							2073
						FLOAT	
						2029	
						STAGE	
						1	
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH
19.	20	90		80	80	No Packer	
						TOP	BTM
						0	0
						SIZE	THREAD
						9.625	8RND
						WELL FLUID	
						WATER BASED	
						WGT.	
						9.2	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED
156.9	BBLS	Fresh Water	8.34	649	0	0	0
						Operator	MAX CSG PSI
							RATED
							Operator
							2816
							2000
							frac tank
Circulation Prior to Job							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: .5			
Mud Density In: 9.2 LBS/GAL				Mud Density Out: 9.2 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: 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: 16			
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:			
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: 1547 PSI				With 8.34 LBS/GAL Mud			
Time Held: 00 Hours 30 Minutes							
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: none							
PRESSURE/RATE DETAIL				EXPLANATION			

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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

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	3000 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
14:00	0	0	0	0	N/A	Leave Yard	
16:13	0	0	0	0	N/A	Arrive on Location 110 Miles, Rig Pulling Pipe	
19:00	0	0	0	0	N/A	Spot Trucks	
19:30	0	0	0	0	N/A	Pre-Rig Up Safety Meeting	
22:50	0	0	0	0	N/A	Pre-Job Safety Meeting	
23:09	70	0	1	1	H2O	Load Lines	
23:11	3000	0	0	0	H2O	Pressure Test	
23:14	220	0	4.8	20	H2O	Fresh Water Spacer	
23:20	321	0	4.8	218	CMT	Batch, Weigh, and Pump 892sks, 14.5# Type III + .08lbs/sk Static Free + .5% CaCl + .25 lbs/sk Cello Flake	
00:30	0	0	0	0	H2O	Shut Down Wash Up	
00:35	0	0	0	0	H2O	Release Plug	
00:35	580	0	7.1	60	H2O	Displace	
00:45	796	0	4.8	10	H2O	Rate Change	
00:47	1172	0	6	60	H2O	Rate Change	
00:56	1222	0	4.8	20	H2O	Rate Change	
01:01	1597	0	2.4	7	H2O	Rate Change	
01:02	1597	0	0	0	H2O	Bump Plug @ 157 Bbls away, 82 Bbls CMT to Surface	
01:02	1547	0	0	0	H2O	Casing Test	
01:32	1574	0	0	0	H2O	Bleed Off/Check Floats 1Bbl back	
01:35	0	0	0	0	N/A	Pre-Rig Down 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:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1597	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	82	396	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

