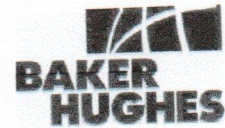


CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XM		DATE 13-DEC-14	F.R. # 10011124939	SERV. SUPV. STEPHEN J CARDOS	
LEASE & WELL NAME HORSETAIL #19N-1924M-R - API 05123406300000		LOCATION 19-10N-57W		COUNTY-PARISH-BLOCK Weld Colorado	
DISTRICT Brighton		DRILLING CONTRACTOR RIG # PIONEER 54		TYPE OF JOB Intermediate	
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD
Cement Plug, Rubber, Top 7 in		Float Collar, Auto Fill, 7 - 8rd	N/A	0	0
		Float Shoe 7 - 8rd			
PHYSICAL SLURRY PROPERTIES					
MATERIALS FURNISHED BY BJ		LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³
UltraFlush II		N/A	0	10.5	0
(35:65) POZ:G + LW-6 + Adda			154	10.5	2.40
Customer Supplied Fluid		N/A	0	0	0
UltraFlush II		N/A	0	10.5	0
(35:65) POZ:G + LW-6 + Adds			420	10.5	2.40
Customer Supplied Fluid		N/A	0	0	0
Available Mix Water 1400 Bbl.		Available Displ. Fluid 1400 Bbl.	TOTAL		
			854.61		82.93
COLLAR DEPTHS					
HOLE		TBG-CSG-D.P.		SHOE	STAGE
SIZE	% EXCESS	DEPTH	ID	OD	WGT.
8.75	13	8317	6.184	7	29
		CSG	8300	8300	P-110
			8321	8275	6200
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH	
ID	OD	WGT.	TYPE	MD	TVD
8.9	9.63	36	CSG	1550	1550
		NO PACKER		0	0
				0	0
				7	8RND
				WATER BASED	
				10.2	
DISPL. VOLUME		DISPL. FLUID	CAL. PSI	CAL. MAX PSI	OP. MAX
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.
307	BBLS	Customer Supplied FI	0	827	0
		Customer Supplied FI	0		0
Circulation Prior to Job					
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			Circulation Time: 1		
Mud Density In: 10.2 LBS/GAL			Mud Density Out: 10.2 LBS/GAL		
Gas Present: NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> Units: 0			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"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE			Type: <input checked="" type="checkbox"/> BOW <input type="checkbox"/> RIGID		
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES			Quantity: 0		
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		
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			Parabow Used: <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 checked="" 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: 0 PSI			With 0 LBS/GAL Mud		
			Time Held: 00 Hours 00 Minutes		
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING NONE					

CEMENT JOB REPORT



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	51540 PSI	CIRCULATING WELL - RIG	BJ <input type="checkbox"/>
19:00	0	0	0	0	N/A	LEAVE YARD			
21:45	0	0	0	0	N/A	ARRIVE ON LOCATION			
06:15	0	0	0	0	N/A	SPOT TRUCKS			
06:30	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING			
08:15	0	0	0	0	N/A	SAFETY MEETING			
09:21	5154	0	0	0	H2O	PRESSURE TEST			
09:36	695	0	4.8	20	H2O	ULTRA FLUSH SPACER			
09:47	746	0	4.8	78	CMT	BATCH / WEIGH / PUMP 10.5 LB CEMENT			
10:36	0	0	0	0	H2O	DOWNWASH UP			
10:38	1080	0	5.9	80	H2O	DISPLACEMENT WITH KCL			
10:52	1486	0	5.9	290	MUD	DISPLACEMENT WITH MUD			
11:29	1003	0	3	295	MUD	DROP RATE			
11:37	1285	0	0	311	MUD	BUMP PLUG			
12:07	0	0	0	0	MUD	OPEN TOOL			
12:28	1080	0	7.1	780	MUD	CIRCULATE			
13:52	797	0	4.9	20	H2O	ULTRA FLUSH SPACER			
14:05	1388	0	7.2	211	CMT	BATCH / WEIGH / PUMP 10.5 LB CEMENT			
14:44	0	0	0	0	H2O	DOWNWASH UP			
14:52	1236	0	7.1	60	H2O	DISPLACEMENT WITH KCL			
15:06	1432	0	6	140	H2O	DROP RATE			
15:17	1388	0	4.8	220	H2O	DROP RATE			
15:34	1825	0	0	235	H2O	BUMP PLUG			
15:38	0	0	0	0	N/A	TEST FLOATS / BLEED OFF			
16:00	0	0	0	0	H2O	JOB DONE			

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	1825	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	1410	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



Baker Hughes JobMaster Program Version 4.02

Job Number: 10011124939

Customer: WHITING

Well Name: HORSETAIL 19N-1924M-R

