

CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XN		DATE 19-APR-15		F.R. # 10011149128		SERV. SUPV. JOHN R WUDARCZYK	
LEASE & WELL NAME HORSETAIL #08D-1704 - API 05123410240001		LOCATION 8-10N-57W		COUNTY-PARISH-BLOCK Weld Colorado			
DISTRICT Brighton		DRILLING CONTRACTOR RIG # UNIT 406		TYPE OF JOB Intermediate			

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
7" Top Cem Plug, Nitrile cvr, Phen	Float Collar, Auto Fill, 7 - 8rd						
	Float Shoe 7 - 8rd						
	Centralizer, with Pins, 7 in						

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
UltraFlush II Spacer			0	10.5	0	0	00:00	20	
Fresh Water			0	8.34	0	0	00:00	10	
(20:80) Poz:Type III Cement + Adds			376	12.5	2.21	12.06		148	108.01
(50:50) Poz:Class G Cement + Adds			224	13.8	1.47	6.79		58.66	36.20
Customer Supplied Fluid (TBD)			0	10.4	0	0	00:00	232.25	
Available Mix Water 300 Bbl.		Available Displ. Fluid 300 Bbl.		TOTAL				468.91	144.21

HOLE			TBG-CSG-D.P.					COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75	35	6309	6.184	7	29	CSG	6294	5783	L-80	6294	6252	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.
8.9	9.63	36	CSG	1649	1649	No Packer	0	0	0	7	8 RND	WATER BASED	10.4

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	
232.3	BBLS	Customer Supplied F	10.4	822	0	0	0	0	6528 3000 Rig

Circulation Prior to Job			
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		Circulation Time: 1	
Mud Density In: 10.4 LBS/G		Mud Density Out: 10.4 LBS/GAL	
PV & YP Mud In: 13		PV & YP Mud Out: 13	
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: 1.5 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: 42	
Type: <input checked="" 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 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: 1500 PSI	With 8.34 LBS/GAL Mud	Time Held: 00 Hours 25 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

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 4310 PSI CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
20:35	0	0	0	0	N/A	Arrive on location (Rig running Casing)
20:50	0	0	0	0	N/A	Spot trucks/Pre rig-up safety meeting
01:15	0	0	0	0	N/A	Pre Job Safety meeting
01:50	4310	0	0	0	H2O	Pressure test pump and lines
02:00	250	0	2.4	20	H2O	Preflush ultraflush II
02:08	375	0	3.6	10	H2O	Preflush fresh water
02:12	200	0	3.7	135	CMT	Batch, weigh, pump 376 sks 12.5# 20:80 Poz Type III + .3% R-3 + .2% CD-32 + 15 lbs/sack CSE-2 + .6% FL-57
03:08	375	0	3.6	60	CMT	Pump 224 sks 13.8# 50:50 Poz G + .2% R-3 + .1% CD-32 + .2% ASA-301 + .2% SMS + .6% FL-66 + 10 lbs/sack CSE-2
03:34	0	0	0	0	N/A	Drop plug
03:35	1077	0	7.3	150	MUD	Displacement
03:57	1090	0	6	30	MUD	Drop rate
04:01	1005	0	4.8	20	MUD	Drop rate
04:06	1127	0	3.6	33	H2O	Drop rate
04:14	2000	0	0	0	H2O	Bump plug @ 233 bbls
04:16	0	0	0	0	N/A	Check floats 1.5 bbl back
04:20	1578	0	2	1.5	MUD	Casing test
04:45	0	0	0	0	MUD	End test
04:50	0	0	0	0	N/A	Post job safety meeting

BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 2000	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL GMT RETURNS/ REVERSED 15	TOTAL BBL PUMPED 458	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	Service Supervisor Signature:
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Baker Hughes JobMaster Program Version 4.02

Job Number: 10011149128

Customer: WHITING

Well Name: HORSETAIL 08D-1704

