

CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XM			DATE 30-MAY-15		F.R. # 10011158373			SERV. SUPV. ERIC S DEWIT						
LEASE & WELL NAME RAZOR #22D-2703A - API 05123385080000			LOCATION 22-10N-58W			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		Centralizer, with Pins, 7 in												
		Float Collar, Auto Fill, 7 - 8rd												
		Float Shoe 7 - 8rd												
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		
Ultra Flush II Spacer						0	10.5	6.38	43.9		20	18.40		
20:80 (POZ:TYPE III) + Adds				C05-080-15		366	12.5	2.21	12.06	03:50	144.00	105.10		
Drilling Fluid						0	8.34	0	0		225.79			
50:50 (POZ:CLASS G) + Adds				C05-080-15		269	13.8	1.47	6.79	03:27	70.39	43.52		
Fresh Water						0	8.34	0	0		10			
Available Mix Water 400 Bbl.				Available Displ. Fluid 300 Bbl.				TOTAL		470.18		167.01		
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
8.75	35	6130	6.184	7	29	CSG	6117	5700	P-110	6117	6078			
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	1600	1600	No Packer		0	0	0	7	8RND	WATER BASED	10
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			
225.8	BBLS	Drilling Fluid		8.34	959	0	0	0	0	8976	4000	Upright Tank		
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			Mud Density In: 10 LBS/GAL				Mud Density Out: 10 LBS/GAL		PV & YP Mud In: 17		PV & YP Mud Out: 17			
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"/>			Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL				Amount Bled Back After Job: 1.5 BBLS		Method Used to Verify Returns: Visual					
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE				Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES		Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES					
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD			Quantity: 45				Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID							
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					
Casing Test (Update Original Treatment Report for Primary Job)														
Casing Test Pressure: 1529 PSI			With 10 LBS/GAL Mud				Time Held: 00 Hours 20 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	5286 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
14:46	0	0	0	0	N/A	Leave the yard	
17:10	0	0	0	0	N/A	Arrive on location (100 miles) Rig is running casing	
21:02	0	0	0	0	N/A	Spot pump on location	
21:20	0	0	0	0	N/A	Pre rig up safety meeting	
22:45	0	0	0	0	N/A	Pre job safety meeting	
23:05	305	0	1	2	H2O	Load pumps and lines	
23:08	5286	0	0	0	H2O	Pressure test pumps and lines	
23:16	356	0	3	20	BAR	Batch, and pump weighted spacer @10.5 ppg	
23:28	685	0	5.3	20	H2O	Fresh water spacer	
23:37	71	0	0	0	CMT	Batch, and weigh lead slurry @12.5 ppg	
23:41	785	0	5.2	143	CMT	Pump 366 sacks of 20):80:Poz (Fly Ash):Type III Cement + 0.3% R-3 +0.2% CD-32 + 15 lbs/sack CSE-2 + 0.6% FL-57 @12.5 ppg	
00:17	382	0	4.6		CMT	Batch, and pump 269 sacks of 50):50:POZ (Fly Ash):Class G Cement + 0.1% CD-32 + 0.2% ASA-301 + 0.2% SMS + 0.6% FL-66 + 10 lbs/sack CSE-2 @13.8 ppg	
00:37	0	0	0	0	N/A	Shut down to wash up pump and release plug	
00:45	88	0	4.4	80	MUD	Start displacement	
01:03	1520	0	2.4		MUD	Drop rate	
02:17	2076	0	0	0	MUD	Bump plug (Approx. 60 bbls of cement to surface)	
02:22	0	0	0	0	MUD	Check floats, floats held (1.5 bbls back)	
02:28	1529	0	.9	1.5	MUD	Start casing test	
02:48	0	0	0	0	MUD	Bleed off pressure end casing test (Ending pressure was 1614 psi)	
02:52	0	0	0	0	N/A	Pre rig down safety meetig	
04:15	0	0	0	0	N/A	Leave location	
	0	0	0	0	N/A	Arrive back at the yard	

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	1520	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	60	482.2	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

