

# CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 26-JAN-12	F.R. # 1001884274	SERV. SUPV. CHRISTOPHER M MCKEON								
LEASE & WELL NAME WOLF #36-3624H - API 05123347870000		LOCATION 36-10N-59W		COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton		DRILLING CONTRACTOR RIG # ENSIGN 14		TYPE OF JOB Long String								
SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES MD TVD							
Cement Plug, Rubber, Top 7 in	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 FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER			
Fresh Water			0	8.34	0	0	00:00	20				
Mud Clean I			0	8.34	0	0	00:00	20				
Fresh Water			0	8.34	0	0	00:00	20				
(35:65) Poz:G+LW6+ 1%R3+1%FL25+ 5%SMS+5%CSI			230	10.5	2.64	8.86	03:00	108.02	48.53			
Fresh Water			0	8.34	0	0	00:00	239.39				
Premium Lite High Strength D + add			108	12.5	2.03	10.87	03:00	39.02	27.95			
Premium Lite High Strength D + add			178	13	1.82	9.20	03:00	57.67	39.01			
Available Mix Water 400 Bbl.		Available Displ. Fluid 400 Bbl.		TOTAL				504.10	115.49			
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75	30	6474	6.184	7	29	CSG	6460	6460	N-80	6460	6419	
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
8.9	9.63	36	CSG	1550	1550	No packer			0	0	7	8RD
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	
238.5	BBLs	Fresh Water		8.34	870	0	0	0	0	6528	3000	Rig tank
Circulation Prior to Job												
Circulated Well: Rig <input type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1.5				Circulation Rate: 5 BPM				
Mud Density In: 9.2 LBS/GAL				Mud Density Out: 9.2 LBS/GAL				PV & YP Mud In: 0				PV & YP Mud Out: 0
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: 1.75 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												
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 32				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				
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
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NA												

# CEMENT JOB REPORT



## 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)  
 NA

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)  
 NA

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)  
 NA

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	4152 PSI
						CIRCULATING WELL - RIG	<input type="checkbox"/> BJ <input type="checkbox"/>
03:15	0	0	0	0	NA	Yard call	
05:25	0	0	0	0	NA	Leave District	
07:46	0	0	0	0	NA	Arrive location	
08:00	0	0	0	0	NA	Spot trucks/ rig up safety meeting	
08:50	0	0	0	0	NA	Pre job safety meeting	
09:15	3742	0	0	0	H2O	Low pressure test	
09:16	4152	0	0	0	H2O	High pressure test	
09:17	572	0	7.2	20	H2O	Fresh water	
09:22	626	0	7.2	20	H2O	Mud Clean I	
09:25	681	0	7.2	20	H2O	Fresh water	
09:36	158	0	4.9	110	CMT	Batch up, weigh and pump 230 sx. 35/65 Poz (Fly Ash): Class G Cement + 0.06 lbs/sack Static Free + 0.1% R-3 + 46.46% LW-6 + 1% FL-25 + 0.5% SM + 5% CSE-2 @ 10.5 ppg	
10:09	148	0	4.9	43	CMT	Batch up, weigh and pump 120 sx. PLHS D + 1.2% FL-63 + 0.4% SM + 0.4% ASA-301 + 0.3% R-3 @ 12.5 ppg	
10:18	77	0	4.2	56	CMT	Batch up, weigh and pump 178 sx. PLHS D + 0.3% R-3 + 0.4% ASA-301 + 0.5% SM + 2.4% FL-62 @ 13.0 ppg	
10:32	0	0	0	0	NA	Drop plug	
10:37	933	0	6	190	MUD	Start displacement	
11:10	1318	0	4.8	40	H2O	Rate change	
11:20	1186	0	2.4	8.5	H2O	Rate change	
11:22	1381	0	2.4	0	H2O	Bump plug	
11:24	2038	0	0	0	NA	Plug down/ Total displacement 238.5 bbls.	
11:25	0	0	0	0	NA	Rig down safety meeting	
BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 1381	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 28	TOTAL BBL PUMPED 512.5	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Service Supervisor Signature: 

X Ray Hoffman