

## CEMENT JOB REPORT



<b>CUSTOMER</b> ANADARKO PETROLEUM COR				<b>DATE</b> 04-MAR-15		<b>F.R. #</b> 10011141953				<b>SERV. SUPV.</b> TRAVIS TOLMAN				
<b>LEASE &amp; WELL NAME</b> ENDSLEY #32-1J5 - API 05123179320000				<b>LOCATION</b> 32-3N-65W				<b>COUNTY-PARISH-BLOCK</b> Weld Colorado						
<b>DISTRICT</b> Brighton				<b>DRILLING CONTRACTOR RIG #</b> NA				<b>TYPE OF JOB</b> Plug Back						
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>		<b>MECHANICAL BARRIERS</b>		<b>MD</b>	<b>TVD</b>	<b>HANGER TYPES</b>		<b>MD</b>	<b>TVD</b>			
<b>MATERIALS FURNISHED BY BJ</b>				<b>LAB REPORT NO.</b>				<b>PHYSICAL SLURRY PROPERTIES</b>						
								<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>
Cement								270	14.8	1.33	6.31		64	40.66
Fresh Water								0	8.34	0	0		0.5	
SMS Spacer								0	8.6	0	0		20	
Fresh Water								0	8.34	0	0		5	
Fresh Water								0	8.34	0	0		5	
<b>Available Mix Water</b> 130 <b>Bbl.</b>				<b>Available Displ. Fluid</b> 30 <b>Bbl.</b>				<b>TOTAL</b>				94.5	40.66	
<b>HOLE</b>			<b>TBG-CSG-D.P.</b>							<b>COLLAR DEPTHS</b>				
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>ID</b>	<b>OD</b>	<b>WGT.</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>		
9		1515	3.068	3.5	7.7	CSG	1515	1515						
			1.38	1.66	2.3	TBG	1515	1515						
<b>LAST CASING</b>			<b>PKR-CMT RET-BR PL-LINER</b>				<b>PERF. DEPTH</b>		<b>TOP CONN</b>		<b>WELL FLUID</b>			
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>BRAND &amp; TYPE</b>	<b>DEPTH</b>	<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>TYPE</b>	<b>WGT.</b>	
8.1	8.63	24	CSG	765	765	No packer	0			1.25	8RND	WATER BASED	10	
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b>		<b>MAX CSG PSI</b>		<b>MIX WATER</b>			
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>				
0.5	BBLS	Fresh Water	8.34	0	0	0	9440	1200	0	0	Water truck			
<b>Circulation Prior to Job</b>														
Circulated Well: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>						Circulation Time: 1			Circulation Rate: 2 BPM					
Mud Density In: 10 LBS/GAL Mud Density Out: 10 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"/>								
<b>Displacement And Mud Removal</b>														
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>						Amount Bled Back After Job: 0 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO						Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input 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 checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Quantity:			Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID					
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input checked="" type="checkbox"/> NO MANIFOLD														
<b>Plugs</b>														
Number of Attempts by BJ: 1 Competition: 1						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: 497 FT			Bottom of Plug: 1515 FT					
<b>Squeezes (Update Original Treatment Report for Primary Job)</b>														
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								
<b>Casing Test (Update Original Treatment Report for Primary Job)</b>														
Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud						Time Held: 00 Hours 00 Minutes								
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None</b>														

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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 3457 PSI
						CIRCULATING WELL - RIG <input type="checkbox"/> BJ <input checked="" type="checkbox"/>
06:45	0	0	0	0	N/A	Leave district
07:28	0	0	0	0	N/A	Arrive on location, 20 miles, running tubing
07:40	0	0	0	0	N/A	Spot trucks
07:55	0	0	0	0	N/A	Pre rig up safety meeting
08:45	0	0	0	0	N/A	Pre job safety meeting
09:05	0	0	0	0	N/A	Rig spotted mud, then pulled 6 joints
09:37	180	0	.8	1	H2O	Load lines
09:40	3457	0	0	0	H2O	Pressure test pump & lines
09:43	620	0	2.3	5	H2O	Fresh water spacer
09:46	587	0	2.2	20	SMS	SMS spacer
09:55	601	0	2.2	5	H2O	Fresh water spacer
10:05	879	0	2.1	64	CMT	Batch, weigh, pump cement @ 14.8# (270sks)
10:52	467	0	.5	.5	H2O	Displacement
10:52	0	0	0	0	N/A	Down, rig down, wash up
11:04	0	0	0	0	N/A	Wash up
11:30	0	0	0	0	N/A	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:
Y <input checked="" type="checkbox"/> N	0	Y <input checked="" type="checkbox"/> N	0	96	0	Y <input checked="" type="checkbox"/> N	