

CEMENT JOB REPORT



CUSTOMER CASCADE PETROLEUM LLC		DATE 04-JUN-14		F.R. # 10011073428		SERV. SUPV. Anthony J Staples							
LEASE & WELL NAME CRAIG #9S-55W-19-41 - API 05073065940000		LOCATION 19-9S-55W		COUNTY-PARISH-BLOCK Lincoln Colorado									
DISTRICT Brighton		DRILLING CONTRACTOR RIG #		TYPE OF JOB Plug Back									
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD						
		Float Collar, Auto Fill, 4-1/2 - 8rd		Bridge Plug		150	150						
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			
Classs G				40	15.8	1.15	4.99	8.18	4.76				
Water					8.34			5					
Class G				40	15.8	1.15	4.99	8.18	4.76				
Class G neat				40	15.8	1.15	5.00	8.18	4.76				
Class G + 2 % CACL ₂				50	15.8	1.16	5.01	10.37	5.96				
Class G + 2% CACL ₂				15	15.8	1.16	5.01	3.11	1.79				
Available Mix Water 100 Bbl.		Available Displ. Fluid 250 Bbl.		TOTAL		43.02		22.02					
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS							
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
7.875	0	7003	3.826	4.5	16.6	DP	6321	6321	S-135			0	
			2.75	4.5	46	DP	678.9	678.9	S-135				
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	541	541	No Packer	0	0	0	4.5	XH	WATER BASED	8.7
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			
97	BBLS			0	0	0	0	0	14152	4000	Rig		
Circulation Prior to Job													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 4			Circulation Rate: 5 BPM				
Mud Density In: 8.7 LBS/GAL Mud Density Out: 8.7 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: 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 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 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													
Plugs													
Number of Attempts by BJ: 1 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: 6830.9 FT			Bottom of Plug: 7000 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: 0 PSI With 0 LBS/GAL Mud						Time Held: 00 Hours 00 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	5209 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
20:36	0	0	0	0	N/A	Arrive of location (119 Miles) Rig Circulating	
20:50	0	0	0	0	N/A	Spot Trucks	
20:55	0	0	0	0	N/A	Pre-Rig Safety Meeting	
23:39	0	0	0	0	N/A	Pre-Job Safety Meeting (Safety Shut Down Due to Hail Storm)	
00:04	50	0	1	2	H2O	Load Lines	
00:09	5209	0	0	0	H2O	Pressure Test	
00:21	50	0	2.6	8	CMT	Plug #1 Batch, Weigh, and Pump 15.8# Class G + .1% R-3 Through the Drill Bit per Matt Taylor	
00:36	176	0	4.5	97	MUD	Displaced the Volume of the Drill Pipe Plus an Additional 2 Bbls Per Matt Taylor	
01:00	0	0	0	0	H2O	Shut Down and Washed up while Rig pulled Pipe and Circulated	
03:26	141	0	1.77	8.7	CMT	Plug #2 Batch, Weigh, and Pump 15.8# Class G + .1% R-3 Through Drill Bit Per Matt Taylor	
03:40	477	0	4.9	73	MUD	Displaced the Volume of the Drill Pipe Plus an Additional 2 Bbls Per Matt Taylor	
03:56	0	0	0	0	H2O	Shut down and Washed up while Rig pulled Pipe and Circulated	
05:52	93	0	1.4	8.2	CMT	Plug # 3 Batch, Weigh, and Pump 15.8# Class G + .1% R-3 Through Drill Bit per Matt Taylor	
06:07	206	0	5	60	MUD	Displaced the Volume of the Drill Pipe Plus an Additional 2 Bbls Per Matt Taylor	
06:20	0	0	0	0	H2O	Shut down and Washed up while Rig pulled Pipe and Circulated	
11:50	123	0	2.7	10.2	CMT	Plug #4 Batch, Weigh, and Pump 15.8# Class G + 2% CaCl	
11:57	28	0	2	4.5	MUD	Displaced the Volume of the Drill Pipe Plus an Additional 2 Bbls Per Matt Taylor	
12:12	0	0	0	0	H2O	Shut down and Washed up while Rig pulled Pipe and Circulated	
12:30	0	0	0	0	N/A	Wireline Setting Bridge Plug at 150 ft	
14:25	40	0	.7	4	CMT	Plug #5 Batch, Weigh, and Pump 15.8# Class G + 2% CaCl to Surface Via 1"	
14:55	0	0	.4	1	H2O	Displaced lines into Rat hole	
15:05	0	0	0	0	H2O	Shut down Wash Up	
15:15	0	0	0	0	N/A	Pre-Rid 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	.2	277	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	