

CEMENT JOB REPORT



CUSTOMER PETROLEUM DEVELOPMENT			DATE 21-MAR-14		F.R. # 10011054349		SERV. SUPV. Anthony J Staples							
LEASE & WELL NAME MCCARTY #28-7 - API 05123133090000			LOCATION 28-4N-67W				COUNTY-PARISH-BLOCK Weld Colorado							
DISTRICT Brighton			DRILLING CONTRACTOR RIG # Workover				TYPE OF JOB Plug & Abandon							
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD			
		No Shoe												
MATERIALS FURNISHED BY BJ				LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES								
						SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
Fresh Water						0	8.34	0	0	03:30	31.57			
Treated Water						0	8.3	0	0	00:00	10			
Plug 1						50	15.8	1.15	4.99	04:00	10.23	5.94		
Treated Water						0	8.3	0	0	00:00	10			
Plug 2						175	13.5	1.71	8.30	00:00	53.42	34.57		
Fresh Water						0	8.3	0	0	00:00	20			
Treated Water						0	8.3	0	0	00:00	10			
Plug 3						600	15.8	1.16	5.01	00:00	124.44	71.52		
Fresh Water				0		0	8.3	0	0	00:00	1.5			
MudClean I				0		0	8.34	0	0	00:00	10			
Treated Water				0		0	8.34	0	0	00:00	5			
Available Mix Water 400 Bbl.				Available Displ. Fluid 400 Bbl.		TOTAL				286.16		112.03		
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
10	0	5513	2.441	2.875	6.5	TBG	5513	5513	N-80	0	0	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	296	296	No Packer		0	0	0	2.875	8RD	WATER BASED	8.34
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				
29	BBLS	Fresh Water	8.34	0	0	0	8456	1000	0	0	TANK			
		Fresh Water	8.3											
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 6			Circulation Rate: 2 BPM					
Mud Density In: 8.34 LBS/G Mud Density Out: 8.34 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 type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 0			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: 0 FT			Bottom of Plug: 702 FT					
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: No Problems														
PRESSURE/RATE DETAIL										EXPLANATION				

CEMENT JOB REPORT



Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE ☐ SHOE SQUEEZE ☐ TOP OF LINER SQUEEZE ☐ PLANNED ☐ UNPLANNED ☐
 Liner Packer: ☒ NO ☐ YES Bond Log: ☒ NO ☐ 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

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	7105 PSI	
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
04:00	0	0	0	0	N/A	Yard Call		
06:30	0	0	0	0	N/A	Leave Yard		
07:00	0	0	0	0	N/A	Arrive on Location		
07:10	0	0	0	0	N/A	Spot Trucks		
07:20	0	0	0	0	N/A	Pre Rig safety meeting		
08:15	0	0	0	0	N/A	Pre job safety meeting		
08:28	28	0	.4	1	H2O	Load Lines		
08:30	7105	0	0	0	H2O	Pressure Test		
08:35	127	0	1	5	H2O	Spacer H2O+Clay Care		
08:40	156	0	2.2	9	CMT	Batch up and pump down 15.8# Class G + .1% R-3		
08:46	127	0	3	28.7	H2O	Displacement		
09:00	0	0	0	0	N/A	Shut down rig pulled tubing		
09:37	152	0	1	7	H2O	Spacer H2O + Clay Care		
09:48	204	0	3	51	CMT	Batch up and pump down 13.5# (50:50) Poz: Class G + .6% FL-52 + .1% SMS + 20% Silica Flour + 3% Bentonite II		
10:07	102	0	3.1	18.5	H2O	Displacement		
10:14	0	0	0	0	N/A	Shut down and wash up while rig pulled tubing		
11:20	102	0	3	10	H2O	Spacer H2O + Clay Care		
11:26	152	0	3	10	H2O	Mudd Clean		
11:29	127	0	3	5	H2O	H2O + Clay Care		
11:32	206	0	3	101	CMT	Batch up and pump down 15.8# Class G + 2% Calcium Chloride		
12:10	85	0	1.5	1.5	H2O	Displacement		
12:12	0	0	0	0	N/A	Shut down rig pulled tubing		
12:25	60	0	1	4	CMT	Top out well with 15.8# Class G + 2% Calcium Chloride		
12:30	60	0	1	.5	H2O	Displacement		
12:35	0	0	0	0	N/A	Post job 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 type="checkbox"/> N <input checked="" type="checkbox"/>	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	5	265	0	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	