

CEMENT JOB REPORT



CUSTOMER PETROLEUM DEVELOPMENT		DATE 09-APR-14	F.R. # 10011058967	SERV. SUPV. JOHN R WUDARCZYK	
LEASE & WELL NAME MCCARTY #28-5 - API 05123133070000		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	_____	_____	_____	_____	_____	_____
_____	NA-P&A	_____	_____	_____	_____	_____	_____

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	32	_____
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		53.42	34.57
Fresh Water		0	8.3	0	0	00:00	20	_____
Fresh Water		0	8.3	0	0	00:00	10	_____
Plug 3		600	15.8	1.16	5.01		124.44	71.52
Fresh Water		0	8.3	0	0	00:00	0	_____
Mudclean		0	8.34	0	0	00:00	10	_____
Treated water		0	8.34	0	0	00:00	5	_____
Available Mix Water _____ 400 Bbl.		Available Displ. Fluid _____ 250 Bbl.		TOTAL		285.09		112.03

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
10	0	5700	4	4.5	11.6	CSG	5700	5700		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.	
8.1	6.63	24	CSG	302	302	NO PACKER	0	0	0	2.875	8RND	WATER BASED	8.4	

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	
32	BBLS	Fresh Water	8.34	0	0	0	8456	1500	2360	1500	RIG
		Fresh Water	8.3								

Circulation Prior to Job

Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	Circulation Time: 1	Circulation Rate: 3 BPM
Mud Density In: 8.4 LBS/GAL	Mud Density Out: 8.4 LBS/GAL	PV & YP Mud In: 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"/> RECIPROICATION <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: 3	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: 5597 FT	Bottom of Plug: 5700 FT

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE

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	3253 PSI
06:45	0	0	0	0	0	CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
07:00	0	0	0	0	0	ARRIVE ON LOCATION (25 MILES)	
07:40	0	0	0	0	0	PRE RIG UP SAFETY MEETING	
07:56	3253	0	0	0	H2O	PRE JOB MEETING	
08:00	688	0	4	8	H2O	PRESSURE TEST PUMPS AND LINES	
08:07	457	0	2.8	8	CMT	CLAYCARE WATER	
08:15	285	0	3.6	32	H2O	BATCH UP AND PUMP 50 SKS CLASS G + .1% R-3 @ 15.8# PLUG FROM 5700' TO 5597'	
08:25	0	0	0	0	0	DISPLACE	
09:12	300	0	2	10	H2O	SHUT DOWN / RIG PULLING TUBING	
09:25	118	0	2.8	49	CMT	CLAYCARE WATER	
09:47	200	0	3	20	H2O	BATCH UP AND PUMP 175 SKS POZ/G+.6%FL-52+.1%SMS+3%BENTONITE+20%S-8 @ 13.5# PLUG FROM 4000' TO 3454'	
09:56	0	0	0	0	H2O	DISPLACE	
11:25	35	0	3.5	10	H2O	SHUT DOWN/WASH UP/RIG PULLING TUBING	
11:30	56	0	3.5	10	H2O	CLAYCARE WATER	
11:36	119	0	2.8	86	CMT	MUDCLEAN I	
12:18	200	0	1.3	1	H2O	BATCH UP AND PUMP 600 SKS CLASS G +2% CACL @15.8# PLUG FROM 700' TO SURFACE	
12:20	0	0	0	0	H2O	DISPLACE	
12:44	127	0	2	4	CMT	SHUT DOWN	
12:48	102	0	1.5	.5	H2O	TOP OFF WELL	
13:00	0	0	0	0	0	DISPLACE	
13:15	0	0	0	0	0	SHUT DOWN / WASH UP	
						POST JOB RIG DOWN SAFETY MEETING	

BUMPED
PLUG
Y ☐ N ☒

PSI TO
BUMP
PLUG
0

TEST
FLOAT
EQUIP.
Y ☐ N ☒

BBL.CMT
RETURNS/
REVERSED
10

TOTAL
BBL.
PUMPED
237

PSI
LEFT ON
CSG
0

SPOT
TOP OUT
CEMENT
Y ☐ N ☒

Service Supervisor Signature:

John R. W. [Signature]