

CEMENT JOB REPORT



CUSTOMER ANADARKO PETROLEUM COR		DATE 17-FEB-15	F.R. # 10011139470		SERV. SUPV. TRAVIS TOLMAN								
LEASE & WELL NAME HARKIS #12-2 - API 05123215650000		LOCATION 2-2N-65W		COUNTY-PARISH-BLOCK Weld Colorado									
DISTRICT Brighton		DRILLING CONTRACTOR RIG # WO Rig		TYPE OF JOB Plug Back									
SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD TVD							
Bridge plug		Bridge Plug	7530	7530									
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				
Cement			70	15.8	1.36	5.67		16	8.90				
Fresh Water			0	8.34	0	0		22					
Fresh Water			0	8.34	0	0		6.5					
Fresh Water			0	8.34	0	0		5					
Fresh Water			0	8.34	0	0		15					
Plug Cement			70	15.8	1.15	4.97		13.3	7.66				
Available Mix Water 200 Bbl.		Available Displ. Fluid 160 Bbl.		TOTAL		77.8	16.57						
HOLE		TBG-CSG-D.P.					COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
8.5		7530	4	4.5	11.6	CSG	7530	7530					
			1.995	2.375	4.7	TBG	7529	7529					
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.
						Bridge plug	7530			2.375	8RND	FRESH WATER	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			
24.4	BBLS	Fresh Water	8.34	0	0	0	8960	1000	0	0	Water truck		
		Fresh Water	8.34										
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			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 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													
Plugs													
Number of Attempts by BJ: 2 Competition: 2						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: 3990 FT			Bottom of Plug: 7530 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													

CEMENT JOB REPORT



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 3525 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
08:30	0	0	0	0	N/A	Leave district
09:05	0	0	0	0	N/A	Arrive on location, 21 miles, pressure testing tubing
10:45	0	0	0	0	N/A	Spot trucks
10:55	0	0	0	0	N/A	Pre rig up safety meeting
11:25	0	0	0	0	N/A	Pre job safety meeting
11:42	26	0	.8	.5	H2O	Load lines
11:44	3525	0	0	0	H2O	Pressure test pump & lines
11:51	766	0	2.5	6.5	H2O	Break circulation
11:58	588	0	2.5	16	CMT	Batch, weigh, pump cement @ 15.8# (70sks)
12:12	485	0	2.5	22	H2O	Displacement
12:20	0	0	0	0	H2O	Plug balanced
12:29	0	0	0	0	H2O	Wash up
13:10	638	0	2.5	30	H2O	Reverse out (No cement to surface)
13:29	0	0	0	0	N/A	Down, rig pulling tubing for 2nd plug (rig rolled hole for 20 mins)
14:12	0	0	0	0	N/A	Rig up to well
14:16	535	0	2.5	5	H2O	Break circulation
14:22	509	0	2.5	13.3	CMT	Batch, weigh, pump cement @ 15.8# (70sks)
14:31	382	0	2.5	15	H2O	Displacement
14:41	0	0	0	0	H2O	Plug balanced
14:45	0	0	0	0	H2O	Wash up
15:14	381	0	2.5	15.5	H2O	Reverse out (.25bbl back of cement)
15:20	0	0	0	0	N/A	Down
15:25	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 type="checkbox"/> N <input checked="" type="checkbox"/>	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	0	124	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CEMENT JOB REPORT



CUSTOMER ANADARKO PETROLEUM COR		DATE 18-FEB-15		F.R. # 10011139849		SERV. SUPV. VITALIJS A NEVERDASOV	
LEASE & WELL NAME HARKIS #12-2 - API 05123215650000		LOCATION 2-2N-65W		COUNTY-PARISH-BLOCK Weld Colorado			
DISTRICT Brighton		DRILLING CONTRACTOR RIG # WO		TYPE OF JOB Plug & Abandon			
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD
NONE				NONE		0	0
						HANGER TYPES	MD
							0
						TVD	0
PHYSICAL SLURRY PROPERTIES							
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS
							PUMP TIME HR:MIN
							Bbl SLURRY
							Bbl MIX WATER
Type III + CF		N/A		240	14.8	1.33	6.31
Fresh Water		N/A		0	8.34	0	00:00
Fresh Water		N/A		0	8.34	0	00:00
Mud Clean II		N/A		0	8.5	0	00:00
Available Mix Water 120 Bbl.		Available Displ. Fluid 40 Bbl.		TOTAL		88.63	36.04
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD
8.5	40	1300	1	4.5	11.6	CSG	1302
						TVD	GRADE
						1302	
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
ID	OD	WGT	TYPE	MD	TVD	WELL FLUID	
6.9	8.63	24	CSG	902	901	BRAND & TYPE	
						DEPTH	TOP
						0	1600
						BTM	SIZE
						1600	2.375
						THREAD	TYPE
						8RND	FRESH WATER
						WGT.	8.4
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED
1.9	BBLS	Fresh Water	8.34	0	0	0	6160
						Operator	MAX CSG PSI
						1000	RATED
						0	Operator
						0	MIX WATER
						0	TRANSPOR T
Circulation Prior to Job							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1		Circulation Rate: 2 BPM	
Mud Density In: 8.4 LBS/GAL Mud Density Out: 8.4 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 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 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 type="checkbox"/> NO MANIFOLD							
Plugs							
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: 503 FT Bottom of Plug: 1395 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			
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			

CEMENT JOB REPORT



Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

0

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

0

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

0

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING 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	2223 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
14:07	0	0	0	0	N/A	LEAVE DISTRICT	
14:50	0	0	0	0	N/A	ARRIVE ON LOCATION, 22 MILES/ RIG IS READY FOR CEMENT JOB	
15:03	0	0	0	0	N/A	SPOT TRUCKS	
15:14	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING	
15:53	0	0	0	0	N/A	PRE JOB SAFETY MEETING	
16:18	25	0	1	1	H2O	LOAD LINE	
16:21	2223	0	.8	.1	H2O	PRESSURE TEST	
16:24	215	0	2.4	10	H2O	MUD CLEAN 2 SPACER	
16:28	405	0	3.6	20	H2O	FRESH WATER SPACER	
16:45	345	0	2.4	55	CMT	BATCHWEIGH/PUMP 240 SX OF CEMENT @ 14.8 PPG	
17:09	329	0	2	1.9	H2O	DISPLACEMENT	
17:10	0	0	0	0	N/A	SHUT DOWN/WASH UP PUMP/ RIG IS PULLING TUBING OUT/WAITING TO REVERSE OUT	
17:47	0	93	2.4	15	H2O	REVERSE OUT	
17:53	0	0	0	0	N/A	SHUT DOWN/ JOB IS COMPLETE	

BUMPED PLUG Y <input checked="" type="checkbox"/> N	PSI TO BUMP PLUG 0	TEST FLOAT EQUIP. Y <input checked="" type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 0	TOTAL BBL. PUMPED 101.9	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	Service Supervisor Signature:
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