CEMENT JOB REPORT

BJ

CUSTOMER Kerr McGee Corp	DATE 22-DEC-09	F.R. # 1001542619	SERV. SUPV. KURT R KUDRNA
LEASE & WELL NAME HANSON GAS UNIT #1 - API 05123085940000	**LOCATION**		**COUNTY-PARISH-BLOCK** Weld Colorado
DISTRICT Brighton	**DRILLING CONTRACTOR RIG #** W/O		**TYPE OF JOB** Squeeze-Perforation

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	PHYSICAL SLURRY PROPERTIES						
		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
MATERIALS FURNISHED BY BJ								
Class "G" + adds		50	15.8	1.15	4.98	01:30	10	5.80
Fresh Water		0	8.34	0	0	00:00	17.7	
Fresh Water		0	8.34	0	0	00:00	50	
Premium Lite Cement + Adds		400	12.5	1.89	10.38	03:00	125	91.86
FRESH WATER		0	8.34	0	0	00:00	3	

Available Mix Water 300 Bbl.	Available Displ. Fluid 100 Bbl.	TOTAL	205.7	97.66

HOLE			TBG-CSG-D.P.					COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
0	0	0	4.5	11.6	CSG	4750	N-80			

LAST CASING				PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN		WELL FLUID	
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
				CEMENT RETAINER	4710	4750		2.375	8RD	KCL WATER	8.43

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	
18	BBLS	Fresh Water	8.34	0	0	0	8956	2500	6224	2500	TRANSPORT

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ]	Circulation Time: 0	Circulation Rate: 0 BPM
Mud Density In: 8.43 LBS/GAL Mud Density Out: 8.43 LBS/GAL	PV & YP Mud In: 55	PV & YP Mud Out: 55
Gas Present: NO [ ] YES [X] Units: 0	Solids Present at End of Circulation: NO [X] YES [ ]	

Displacement And Mud Removal

Displaced By: Rig [ ] BJ [X]	Amount Bled Back After Job: .25 BBLS
Returns During Job: [ ] NONE [ ] PARTIAL [X] FULL	Method Used to Verify Returns: VISUAL
Cement Returns at Surface: [ ] YES [X] NO	Were Returns Planned at Surface: [X] NO [ ] YES
Pipe Movement: [ ] ROTATION [ ] RECIPROCATION [X] NONE [ ] UNABLE DUE TO STUCK PIPE	
Centralizers: [X] NO [ ] YES Quantity:	Type: [ ] BOW [ ] RIGID
Job Pumped Through: [ ] CHOKE MANIFOLD [ ] SQUEEZE MANIFOLD [ ] MANIFOLD [ ] NO MANIFOLD	

Plugs

Number of Attempts by BJ: 0 Competition: 0	Wiper Balls Used: [X] NO [ ] YES Quantity:
Plug Catcher Used: [X] NO [ ] YES	Parabow Used: [X] NO [ ] YES
Was There a Bottom: [X] NO [ ] YES	Top of Plug: 0 FT Bottom of Plug: 0 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE [ ] SHOE SQUEEZE [ ] TOP OF LINER SQUEEZE [ ] PLANNED [ ] UNPLANNED [ ]
Liner Packer: [X] NO [ ] YES Bond Log: [X] 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

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

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

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

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 [X] CO. REP. [X]
	PIPE	**ANNULUS**				TEST LINES 4000 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
08:20	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING
09:15	0	0	0	0	N/A	JOB SAFETY MEETING
09:22	4234	0	.3	.3	H30	PRESSURE TEST C103
09:25	2300	0	2	50	H20	PREFLUSHW/ FRESH WATER
10:40	0	0	0	0	N/A	WE GOT 18 BBL OF FRESH WATER BACK,BY THE TIME WE GOT ZERO
10:45	0	0	0	0	N/A	SHUT DOWN AND RIGGED DOWN TO WAIT ON RIG TO PULL TUBING,THEN WIRE LINE, THEN RIG TO PUT TUBING BACK IN THE HOLE.
13:50	4006	0	.3	.3	H20	PRESSURE TEST C103
13:52	902	0	2.4	3	H20	PREFLUSHW/ FRESH WATER
13:56	1210	0	2.4	125	CEMENT	BATCH UP AND PUMP 400 SACKS OF PLC+.4%FL-52+3% BENTONITE+99.5% FRESH WATER @ 12.5 PPG
14:48	1148	0	2.4	10	CEMENT	BATCH UP AND PUMP 50 SACKS OF CLASS G+44.2% FRESH WATER @ 15.8 PPG
14:53	0	0	0	0	N/A	WASH UP PUMPS AND LINES
14:58	1310	0	2.4	17.7	H20	DISPLACEMENTW/ FRSH WATER
15:11	0	0	0	0	N/A	DONE
15:45	0	0	0	0	N/A	POST RIG DOWN SAFETY MEETING
	0	0	0	0	0	THE RIG CREW REVERSE OUT THROUGH OUR MANIFOLD

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 [N]	0	Y [N]	60	206	0	Y [N]	