



"Michael Vanderworth"
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11/03/2006 07:32 AM
CST

To: <darrell_echols@nps.gov>
cc:
Subject: Plugged Gas Well

Mr. Echols

An acquaintance of mine who wants to remain anonymous recently sent me the attached Daily Drilling Reports concerning the improper plugging of a gas well on Padre Island. He was concerned that the well was improperly plugged and after reviewing the information he provided it does not appear to be plugged in accordance with Railroad Commission rules and regulations. I forwarded the Daily Drilling Reports to Arnold Ott in our Corpus Christi office for review. The Corpus Christi office will have jurisdiction in this matter. The acquaintance has asked me to forward the information to you for your review. If you have any questions please do not hesitate to contact me.

Mike Vanderworth,
Geologist III
Railroad Commission of Texas, Kilgore Distirct Office
903-984-3026 Ext 208



Dunn_McCampbell_A_3_10_23_06.pdf



Dunn_McCampbell_A_3_10_13_06.pdf



Dunn_McCampbell_A_3_10_19_06.pdf



Dunn_McCampbell_A_3_10_20_06.pdf



Dunn_McCampbell_A_3_10_21_06.pdf



Dunn_McCampbell_A_3_10_22_06.pdf

BNP Petroleum Daily Drilling Report

Block, Lease and Well No. - DUNN McCampbell A-3				Contract Rig C.C. Forbes		DOL 9	DFS	Date on Location Oct 13, 2006	Spud Date	Report Date Oct 22, 2006
MD	TVD	Footage	AFE No.	AFE Amount \$236,000		Auth. TD. PBDT 7927'		Company Representative Mike Shield		
Present Operation rigging down cc forbes				Rig Phone: 337-519-5343		Rig Fax: n/a		Toolpusher Mario Perez		

Current Weather	MMS Visit	NPDES	People on Loc.:	9	Last BOP Test Date	RIG ELEVATIONS	
Wind: NO	☐ Yes ☐ No	LC50 Sample Date	Operator	1	10/17/2006	RKB	
Seas: 1-3'	Incs? ☐ Yes ☐ No		Contractor	5	Next BOP Test Date	Water Depth	
Sky:	☐ No Pass? ☐ Yes ☐ No		Service	3		RKB-CHF	

CASING RECORD											
Casing String	OD	Wt.	Grade	Conn.	Jts. Run	Setting Depth	Liner Top	MW when	Pres	LOT	Leakoff?
Drive Pipe	16"	0.5	DP	WELD		91'	91'				
Surface	10 3/4"	32.7	J-55	STC		2,016'	2,016'				
Production	7"	23	J-55	LTC		8,031'	8,031'				

BIT, WEIGHT, SPEED AND HYDRAULICS RECORD											
BIT No	Size	Bit Type and Manufacturer	Serial Number	Jets	Depth In	Total Footage	Hrs	WOB	Rpm	Avg ROP	Grade
											Tooth Bearing Gage
Bit Remarks:				Cum. ROT. Hrs		PU Wt	SO Wt	ROT Wt	Torque		
Pump No.	Stroke X Liner	Output gps	SPM	GPM	Pressure	JV	Pb	AV	Speed	SPM	Slow Pump Pressures
								DC DP	1/4		Pump #1 Pump #2 Pump #3
1									1/2		
2									3/4		

BHA	
Length:	Description: x-over, 8 3/16" itco spear with 10.092" grapple..

MUD DATA														
PIT	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pH
	Chlorides	Ca++	Smpl Temp	F.L. Temp	Shaker Screens	Hours	Mud Engineer			Mud Company				
PIT					#1 #2	Desand Cent.								
					#3 #4	Desilt Mud Cl	Daily Cost			Cumulative Cost				

DIRECTIONAL SURVEYS							
MD	TVD	ANGLE	Direction	Coordinates	VS	DL	CLOSURE

OPERATIONS SUMMARY											
TIME		FROM	TO	HOUR	Time Code	Boats:	Supply Boat Name:	Status:			
							Crew Boat Name:	Status:			
0600	0700	1.0	28	Travel to location from dispatcher office with rig crew				Time Summary			
0700	0800	1.0	24	Hard rain and close lightning				Activity	Daily	Cum.	
0800	0900	1.0	14	R/U I beams across tin horn, put work plate on and slip bowls for 3 1/2"				1. Mob/DeMob		1	
0900	0945	0.8	12	P/U cutting assy with 8 1/4" knives and put in slips, m/u swivel				2. Cement			
0945	1030	0.8	28	Lower cutter to 30', circ 4 bpm @ 700 psi, 80-100 rpm and 3200# torque off bottom torque is 1100#. Cut for 30 min, getting solid sand back. Looks like its cut. Have to pump out cellar, p/u cutter and look at knives, worn all the way to the body. Csg is cut 1/d cutter p/u spear and latch csg, pull 60,000#, csg came free. Pull to surface				3. Circulate		1.75	
1030	1330	3.0	28	Welder to cut conductor.				4. Directional Work			
1330	1600	2.5	12	Cut 30' section of 10 3/4" x 16" csg. Release spear and lay down same lay down rest of csg.				5. Drilling			
				Will install 20" conductor in existing hole.				6. Drive Pipe			
				READY TO R/D AND MOVE OFF IN AM.				7. Fishing		3.5	
				TRUCKS COMING IN AM FOR EQUIPT.				8. OH Logging			
								9. Lost Circ.			
								10. Drill Cmt./LOT			
								11. N.U./ N.D.		5.75	
								12. P.U./L.D. BHA	3.25	9.75	
								13. P.U./L.D. Pipe		1	
								14. R/U; R/D	1	21	
								15. Rig Repair			
								16. Run Casing			
								17. Service Rig		1.5	
								18. Sidetrack Op.			
								19. Stuck Pipe			
								20. Survey			
								21. Trips		12	
								22. Tst. BOPs			
								23. UR/HO			
								24. W.O.W.	1	13	
								25. Wash & Ream			
								26. Well Control			
								27. WOC			
								28. Other	4.75	25.75	
								Total	10	96	
Total Hours		10.0									
Rig Downtime		Fuel Usage				Bulk Material on Board				Previous Cost	
Daily	Daily	Bbbs		Cement:		sx		Daily Cost		\$135,034	
Cum.	1.0 hrs	Cum.		Bbbs		Barite:		sx		\$22,954	
								Cum. Cost		\$157,987	

BNP Petroleum Daily Drilling Report

Block, Lease and Well No. - DUNN McCampbell A-3				Contract Rig C.C. Forbes		DOL 8		DFS		Date on Location Oct 13, 2006		Spud Date		Report Date Oct 21, 2006																	
MD		TVD		Footage		AFE No.		AFE Amount \$236,000		Auth. TD. PBTD 7927'		Company Representative Mike Shield																			
Present Operation CUTTING CSG						Rig Phone: Rig Fax:		337-519-5343 n/a		Toolpusher Mario Perez																					
Current Weather				MMS Visit		NPDES		People on Loc.:		9		Last BOP Test Date		RIG ELEVATIONS																	
Wind: NO		☐ Yes ☐ No		LC50 Sample Date		Operator		1		10/17/2006		RKB		18 ft																	
Seas: 1-3'		☐ Incs? ☐ Yes				Contractor		5		Next BOP Test Date		Water Depth		ft																	
Sky:		☐ No Pass? ☐ Yes ☐ No				Service		3				RKB-CHF		ft																	
CASING RECORD																															
Casing String		OD		Wt.		Grade		Conn.		Jts. Run		Setting Depth MD TVD		Liner Top MD TVD		MW when Run		Pres		LOT EMW		Leakoff?									
Drive Pipe		16"		0.5		DP		WELD				91'		91'																	
Surface		10 3/4"		32.7		J-55		STC				2,016'		2,016'																	
Production		7"		23		J-55		LTC				8,031'		8,031'																	
BIT, WEIGHT, SPEED AND HYDRAULICS RECORD																															
BIT No		Size		Bit Type and Manufacturer		Serial Number		Jets		Depth In		Total Footage		Hrs		WOB		Rpm		Avg ROP		Grade Tooth Bearing Gage									
Bit Remarks:								Cum. ROT. Hrs		PU Wt		SO Wt		ROT Wt		Torque															
Pump No.		Stroke X Liner		Output gps		SPM		GPM		Pressure		JV		Pb		AV DC DP		Speed 1/4 1/2 3/4		SPM		Slow Pump Pressures Pump #1 Pump #2 Pump #3									
1																															
2																															
BHA																															
Length:		Description: cutting bha. 8 1/4" m/s cutter with 5 1/4" blades, x-over, 9 5/8" stabilizer, x-over. Total length = 15.10' spear assy. 8 3/16" od lico spear with 10.029 grapple, x-over, 9 5/8" stabilizer, x-over.																													
MUD DATA																															
WT.		VIS		PV		YP		GELS		WL		HTHP		CAKE		SLDS %		LGS %		OIL %		SD %		MBT		pH		Pm		P/Mf	
PIT																															
Chlorides		Ca++		Smpl Temp		F.L Temp		Shaker Screens		Hours		Mud Engineer		Mud Company																	
PIT								#1 #2 Desand Cent.																							
								#3 #4 Desilt Mud Cl				Daily Cost		Cumulative Cost																	
DIRECTIONAL SURVEYS																															
MD		TVD		ANGLE		Direction		Coordinates		VS		DL		CLOSURE																	
OPERATIONS SUMMARY																															
TIME FROM TO		HOUR		Time Code		Boats:		Supply Boat Name:		Crew Boat Name:		Status:		Status:																	
0600 0700		1.0		28		Travel from dispatcher office to location with rig crew																									
0700 0800		1.0		17		Change out snub line in derek for power swivel.																									
0800 0830		0.5		12		P/U csg cutter bha and 3 jts 3 1/2 IF WORK STRING																									
0830 0900		0.5		28		M/U POWER SWIVEL																									

BNP Petroleum Daily Drilling Report

Block, Lease and Well No. - DUNN McCampbell A-3				Contract Rig C.C. Forbes	DOL 7	DFS	Date on Location Oct 13, 2006	Spud Date	Report Date Oct 20, 2006
MD	TVD	Footage	AFE No.	AFE Amount \$236,000	Auth. TD. PBDT 7927'		Company Representative Mike Shield		
Present Operation				Rig Phone: Rig Fax:	337-519-5343 n/a		Toolpusher Mario Perez		

Current Weather	MMS Visit	NPDES	People on Loc.:	9	Last BOP Test Date	RIG ELEVATIONS	
Wind: NO ☐ Yes ☐	Incs? ☐ Yes ☐	LC50 Sample Date	Operator	1	10/17/2006	RKB	
Seas: 1-3'			Contractor	5	Next BOP Test Date	Water Depth	
Sky:	☐ No ☐ Pass? ☐ Yes ☐ No		Service	3		RKB-CHF	

Casing String	OD	WT.	Grade	Conn.	Jts. Run	Setting Depth	Liner Top	MW when	Pres	LOT	Leakoff?
						MD	TVD	Run		EMW	
Drive Pipe	16"	0.5	DP	WELD		91'	91'				
Surface	10 3/4"	32.7	J-55	STC		2,016'	2,016'				
Production	7"	23	J-55	LTC		8,031'	8,031'				

BIT, WEIGHT, SPEED AND HYDRAULICS RECORD														
BIT No	Size	Bit Type and Manufacturer	Serial Number	Jets	Depth In	Total Footage	Hrs	WOB	Rpm	Avg ROP	Grade			
											Tooth	Bearing	Gage	
Bit Remarks:						Cum. ROT, Hrs	PU Wt	SO Wt	ROT Wt	Torque				
Pump No.	Stroke X Liner	Output gps	SPM	GPM	Pressure	JV	Pb	AV	Speed	SPM	Slow Pump Pressures			
								DC	DP	1/4	Pump #1	Pump #2	Pump #3	
1										1/2				
2										3/4				

BHA	
Length:	Description:

MUD DATA																
	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pH	Pm	Pt/Mf
PIT																
Chlorides		Ca++	Smpl Temp	F.L. Temp	Shaker Screens	Hours	Mud Engineer		Mud Company							
PIT					#1	#2	Desand	Cent.								
					#3	#4	Desilt	Mud Cl	Daily Cost				Cumulative Cost			

DIRECTIONAL SURVEYS							
MD	TVD	ANGLE	Direction	Coordinates	VS	DL	CLOSURE

OPERATIONS SUMMARY				Boats:	Supply Boat Name:	Status:
				Crew Boat Name:		Status:
TIME	FROM	TO	Time Code	Activity		Time Summary
						Activity Daily Cum.
0600	0700	1.0	28	Travel from dispatch to location with rig crew and e-line crew		
0700	0815	1.3	14	R/U e-line, re-head and m/u jet cutter for 7" 23# csg. Open valve on open valve on 10 3/4" csg. no psi. in hole with cutter. Ccl at 390' cutter 10' below ccl. Cut 7" at 400' wlm. Good cut. No u-tbg. Out of hole with e-line		1.75
0815	1000	1.8	11	N/D rig BOP. csg head. Had to have welder cut bolts off flange, load the rest of 2 3/8" tbg on truck with tree and spool while removing csg spool.		
1000	1130	1.5	7	Spear 7" csg and p/u with 28,000# csg free. Remove spear cont pull and cut 9 joints of 7" csg. Tally same. 391.38'.		2
1130	1300	1.5	14	R/U e-line and make gauge ring 9.47" od to 328' wlm, wouldn't go down any deeper. Pooch. m/u 9.50" od CIBP and setting tool. Rih and check collars, they are every 31'. Last collar we can see is 289'. Plug is 7" below ccl. Set plug at 296' wlm.		5.75
1300	1400	1.0	28	E-line truck needs fuel, s/d while e-line gets gas from dispatcher.		1.5
1400	1530	1.5	28	Mix and dump bail cmt on top of CIBP @ 296'. Ran 3 bailers full 4" od x 34' long approx 18 gal per run. Cmt wt = 15.0 ppg. Had to call for more cmt. E-line did not have enough.		0.5
1530	1600	0.5	28	Wait on cmt to get to location, 2 sacks.		12
1600	1700	1.0	28	Make 2 bailer runs for total of 90 gal cmt, to make 20'		
1700	1800	1.0	14	R/D e-line and release, r/u hoses for power swivel, put baker cutter assy on cat walk, put slips ON flange and change elevators. We are ready to mech cut 10 3/4" csg in am. Shut down for night.		12
Total Hours				12.0	Total	
Rig Downtime				Fuel Usage		Previous Cost
Daily				1.0 hrs	Bbls	\$74,840
Cum.				1.0 hrs	Bbls	\$28,668
Bulk Material on Board				Daily Cost		\$103,508
Cement:				sx	Cum. Cost	
Barite:				sx		

BNP Petroleum Daily Drilling Report

Block, Lease and Well No. - DUNN McCampbell A-3				Contract Rig C.C. Forbes		DOL 6	DFS	Date on Location Oct 13, 2006	Spud Date	Report Date Oct 19, 2006
MD	TVD	Footage	AFE No.	AFE Amount \$236,000		Auth. TD. PBD 7927'		Company Representative Mike Shield		
Present Operation READY TO CUT 7" CSG				Rig Phone: Rig Fax:		337-519-5343 n/a		Toolpusher Mario Perez		

Current Weather		MMS Visit	NPDES	People on Loc.:	10	Last BOP Test Date		RIG ELEVATIONS		
Wind: NO	☐ Yes ☐ No	☐ Yes ☐ No	LC50 Sample Date	Operator	1	10/17/2006		RKB		
Seas: 1-3'	☐ Inc? ☐ Yes	☐ Yes ☐ No		Contractor	5	Next BOP Test Date		Water Depth		
Sky:	☐ No ☐ Pass? ☐ Yes ☐ No	☐ Yes ☐ No		Service	4			RKB-CHF		

CASING RECORD											
Casing String	OD	WT.	Grade	Conn.	Jts. Run	Setting Depth		Liner Top		MW when Run	LOT
Drive Pipe	16"	0.5	DP	WELD		MD	TVD	MD	TVD		Pres
Surface	10 3/4"	32.7	J-55	STC		2,016'	2,016'				EMW
Production	7"	23	J-55	LTC		8,031'	8,031'				Leakoff?

BIT, WEIGHT, SPEED AND HYDRAULICS RECORD														
BIT No	Size	Bit Type and Manufacturer	Serial Number	Jets	Depth In	Total Footage	Hrs	WOB	Rpm	Avg ROP	Grade			
											Tooth	Bearing	Gage	
Bit Remarks:						Cum. ROT, Hrs	PU WT	SO WT	ROT WT	Torque				
Pump No.	Stroke X Liner	Output gps	SPM	GPM	Pressure	JV	Pb	AV	Speed	SPM	Slow Pump Pressures			
								DC	DP	1/4	Pump #1	Pump #2	Pump #3	
1										1/2				
2										3/4				

BHA	
Length:	Description:

MUD DATA																
PIT	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pH	Pm	Pt/Mt
		Chlorides	Ca++	Smpl Temp	F.L. Temp	Shaker Screens		Hours		Mud Engineer			Mud Company			
PIT						#1	#2	Desand	Cent.							
						#3	#4	Desilt	Mud Cl	Daily Cost			Cumulative Cost			

DIRECTIONAL SURVEYS							
MD	TVD	ANGLE	Direction	Coordinates	VS	DL	CLOSURE

OPERATIONS SUMMARY									
TIME		Boats:	Supply Boat Name:	Status:					
FROM	TO	Hour	Code	Crew Boat Name:					
0600	0700	1.0	28	TRAVEL TO DISPATCHER AND THEN TO LOCATION					
0700	0800	1.0	12	P/U BAKER SPEAR ASSY. LATCH INTO 4 1/2" CSG, PULL 70,000#. RELEASE SPEAR AND LAY DOWN. HAVE 15K PULLED OVER CSG WT AT DEPTH OF PLANNED CUT.					
0800	0900	1.0	14	R/U E-LINE, RIH WITH 3.65" JET CUTTER, FIRE CUTTER AT 3,000', 12' BELOW A COLLAR. GOOD IND OF CUT, SMALL AMOUNT OF GAS AND U-TUBE UP THE 4 1/2" CSG. POOH WITH E-LINE					
0900	0930	0.5	14	R/D E-LINE					
0930	1030	1.0	13	P/U SPEAR ASSY AND STAB INTO 4 1/2" CSG. BACK OUT HOLD DOWN PINS. VERY HARD TO BACK OUT.					
1030	1100	0.5	7	P/U TO 70,000#. NO MOVEMENT, PRESSURE UP TO 500# BELOW HANGER TO HELP PUSH UP. TIED CAT LINE TO SPEAR ASSY AND WORK A COUPLE TIMES TO THE SIDE, HANGER CAME LOOSE. CSG IS FREE					
1100	1130	0.5	12	RELEASE SPEAR AND L/D SAME. SWAP ELEVATORS AND SLIPS					
1130	1330	2.0	21	POOH LAYING DOWN 4 1/2" CSG, FILL HOLE EVERY 20 JTS. LAYED DOWN 74 JOINTS AND A CUT PIECE					
1330	1430	1.0	14	R/U E-LINE AND MAKE 5.82" OD GAUGE RING - JUNK BASKET RUN TO 2900'. LOAD PIPE AND CSG ON TRUCK WHILE E-LINE MAKES RUN					
1430	1600	1.5	21	M/U 5.75" CIBP, RIH AND SET AT 2900' WLM. POOH AND MIX 35 GALS 15 PPG CLASS H CMT AND FILL 4" BAILER. RIH AND DUMP ON CIBP AT 2900'. POOH AND R/D E-LINE					
1600	1700	1.0	28	MOVE EQUIPT, CHANGE ELEVATORS AND SLIPS. LOOSEN BOLTS ON 11" FLANGE. READY TO CUT 7" IN AM.					
Total Hours		11.0							
Rig Downtime		Fuel Usage		Bulk Material on Board					
Daily	Daily	Bbls	Cement:	Previous Cost					
Cum.	Cum.	Bbls	Barite:	Daily Cost					
				Cum. Cost					

BNP Petroleum Daily Drilling Report

Block, Lease and Well No. - DUNN McCampbell A-3				Contract Rig C.C. Forbes	DOL 1	DFS	Date on Location Oct 13, 2006	Spud Date	Report Date Oct 13, 2006
MD	TVD	Footage	APE No.	APE Amount \$236,000	Auth. TD. PBTD 7927'		Company Representative Mike Shield		
Present Operation Rigging up, spot equipt.				Rig Phone: Rig Fax:	337-519-5343 n/a		Toolpusher Mario Perez		

Current Weather	MMS Visit	NPDES	People on Loc.:	5	Last BOP Test Date	RIG ELEVATIONS
Wind: yes ☐ No ☐	Yes ☐ No ☐	LC50 Sample Date	Operator	1		RKB ft
Seas: rough ☐ Inc? ☐	Yes ☐		Contractor	4	Next BOP Test Date	Water Depth ft
Sky: ☐ No Pass? ☐ Yes ☐ No			Service			RKB-CHF ft

[illegible]

BIT, WEIGHT, SPEED AND HYDRAULICS RECORD														
BIT No	Size	Bit Type and Manufacturer	Serial Number	Jets	Depth In	Total Footage	Hrs	WOB	Rpm	Avg ROP	Grade			
											Tooth	Bearing	Gage	
Bit Remarks:					Cum. ROT, Hrs	PU Wt	SO Wt	ROT Wt	Torque					
Pump No.	Stroke X Liner	Output gps	SPM	GPM	Pressure	JV	Pb	AV		Speed	SPM	Slow Pump Pressures		
								DC	DP	1/4		Pump #1	Pump #2	Pump #3
1										1/2				
2										3/4				

		BHA
Length:	Description:	N/A

MUD DATA																
	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pH	Pm	P/M
PIT																
	Chlorides		Ca++		Smpl	F.L. Temp	Shaker Screens		Hours		Mud Engineer			Mud Company		
PIT							#1	#2	Desand	Cent.						
							#3	#4	Desilt	Mud Cl	Daily Cost			Cumulative Cost		

DIRECTIONAL SURVEYS							
MD	TVD	ANGLE	Direction	Coordinates	VS	DL	CLOSURE

TIME				Time		OPERATIONS SUMMARY			
FROM	TO	HOUR	Code	Boats:	Supply Boat Name:	Status: n/a			
				Crew Boat Name:		Status: n/a			
0600	0700	1.0	28	move in cc forbes rig and spot on location		Time Summary			
						Activity	Daily	Cum.	
0700	1600	9.0	14	r/u truck rig, fluid pumps and tanks, surface iron to be ready to install b.o.p. stack Monday 10-16-06.		1. Mob/DeMob			
						2. Cement			
						3. Circulate			
						4. Directional Work			
						5. Drilling			
						6. Drive Pipe			
						7. Fishing			
						8. OH Logging			
						9. Lost Circ.			
						10. Drill Cmt./LOT			
						11. N.U./ N.D.			
						12. P.U./L.D. BHA			
						13. P.U./L.D. Pipe			
						14. R/U; R/D	9		9
						15. Rig Repair			
						16. Run Casing			
						17. Service Rig			
						18. Sidetrack Op.			
						19. Stuck Pipe			
						20. Survey			
						21. Trips			
						22. Tst. BOPs			
						23. UR/HO			
						24. W.O.W.			
						25. Wash & Ream			
						26. Well Control			
						27. WOC			
						28. Other	1		1
Total Hours		10.0				Total	10		10
Rig Downtime			Fuel Usage		Bulk Material on Board		Previous Cost		
Daily	Daily		Bbls	Cement:	sx	Daily Cost \$8,779			
Cum.	Cum.		Bbls	Barite:	sx	Cum. Cost \$8,779			

BNP Petroleum Daily Drilling Report

Block, Lease and Well No. - DUNN McCampbell A-3				Contract Rig C.C. Forbes	DOL 10	DFS	Date on Location Oct 13, 2006	Spud Date	Report Date Oct 23, 2006
MD	TVD	Footage	AFE No.	AFE Amount \$236,000	Auth. TD. PBTD 7927'		Company Representative Mike Shield		
Present Operation R/D AND MOVE OF LOCATION				Rig Phone: Rig Fax:	337-519-5343 n/a		Toolpusher Mario Perez		

Current Weather	MMS Visit	NPDES	People on Loc.:	Last BOP Test Date	RIG ELEVATIONS
Wind: NO ☐ Yes ☐ No ☐	LC50 Sample Date	Operator	10/17/2006	RKB	18 ft
Seas: 1-3' Incs? ☐ Yes ☐ No ☐	Contractor	Next BOP Test Date	Water Depth		ft
Sky: ☐ No ☐ Pass? ☐ Yes ☐ No ☐	Service	RKB-CHF			ft

CASING RECORD											
Casing String	OD	WT.	Grade	Conn.	Jts. Run	Setting Depth	Liner Top	MW when	Pres	LOT	Leakoff?
Drive Pipe						MD	TVD	MD	TVD		
Surface											
Production											

BIT, WEIGHT, SPEED AND HYDRAULICS RECORD														
BIT No	Size	Bit Type and Manufacturer	Serial Number	Jets	Depth In	Total Footage	Hrs	WOB	Rpm	Avg ROP	Grade	Tooth	Bearing	Gage
Bit Remarks:					Cum. ROT. Hrs	PU Wt	SO Wt	ROT Wt	Torque					
Pump No.	Stroke X Liner	Output gps	SPM	GPM	Pressure	JV	Pb	AV	Speed	SPM	Slow Pump Pressures			
								DC	DP	1/4	Pump #1	Pump #2	Pump #3	
1										1/2				
2										3/4				

BHA	
Length:	Description:

MUD DATA														
PIT	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL %	SD %	MBT	pH
Chlorides		Ca++	Smpl Temp	F.L. Temp	Shaker Screens	Hours	Mud Engineer		Mud Company					
					#1	#2	Desand	Cent.						
					#3	#4	Desilt	Mud Cl	Daily Cost		Cumulative Cost			
									\$965		\$965			

DIRECTIONAL SURVEYS									
MD	TVD	ANGLE	Direction	Coordinates	VS	DL	CLOSURE		

OPERATIONS SUMMARY									
TIME		HOUR	Time Code	Boats:	Supply Boat Name:	Crew Boat Name:	Status:		
FROM	TO						Status:		
0600	1300	7.0	1	R/D AND RELEASE CC FORBES RIG#23. LOAD OUT ALL OTHR EQUIPT.			Time Summary		
							Activity	Daily	Cum.
							1. Mob/DeMob	7	8
				MET WITH DAVAD PATTON AND CONSTRUCTION PEOPLE TO LOOK AT			2. Cement		
				PAD EXPANSION. ALSO TALKED TO PARKER TOOL PUSHER ABOUT			3. Circulate		1.75
				PLACEMENT OF RAT HOLE WHEN WE SET NEW TIN HORN AND 20"			4. Directional Work		
				CONDUCTOR. WILL BE ON LOCATION WHEN WE PERFORM THE WORK			5. Drilling		
							6. Drive Pipe		
							7. Fishing		3.5
							8. OH Logging		
							9. Lost Circ.		
							10. Drill Cmt./LOT		
							11. N.U./ N.D.		5.75
							12. P.U./L.D. BHA		9.75
							13. P.U./L.D. Pipe		1
							14. R/U; R/D		21
							15. Rig Repair		
							16. Run Casing		
							17. Service Rig		1.5
							18. Sidetrack Op.		
							19. Stuck Pipe		
							20. Survey		
							21. Trips		12
							22. Tst. BOPs		
							23. UR/HO		
							24. W.O.W.		13
							25. Wash & Ream		
							26. Well Control		
							27. WOC		
							28. Other		25.75
Total Hours		7.0					Total	7	103
Rig Downtime		Fuel Usage		Bulk Material on Board			Previous Cost		
Daily	Daily		Bbls	Cement:	sx	\$165,251			
Cum.	1.0 hrs Cum.		Bbls	Barite:	sx	Daily Cost \$13,715			
						Cum. Cost \$178,966			