

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

**ORIGINAL**

Operator: License # 5952

Name: BP AMERICA PRODUCTION COMPANY

Address P. O. BOX 3092, WL1, RM 3.201

City/State/Zip HOUSTON, TX 77253-3092

Purchaser: \_\_\_\_\_

Operator Contact Person: SUE SELLERS

Phone ( 281 ) 366-2052

Contractor: Name: CHEYENNE DRILLING

License: 5382

Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.

Gas  ENHR  SIGW

Dry  Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Reentry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date \_\_\_\_\_ Original Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Enhr./SWD

Plug Back  Plug Back Total Depth \_\_\_\_\_

Commingled  Docket No. \_\_\_\_\_

Dual Completion  Docket No. \_\_\_\_\_

Other (SWD or Enhr?)  Docket No. \_\_\_\_\_

11-09-03 11-11-03 11-09-03

Spud Date or  Date Reached TD  Completion Date or  Recompletion Date

API NO. 15- 093-21738-0000

County KEARNY

SE - SE - SW Sec. 16 Twp. 23 S. R. 36  E  W

210 S Feet from S (circle one) Line of Section

2281 W Feet from SW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one)  NE  SE  NW  SW

Lease Name RATZLAFF, D. GAS UNIT 'A' Well # 4

Field Name PANOMA

Producing Formation COUNCIL GROVE

Elevation: Ground 3210' Kelley Bushing 3217'

Total Depth 3013' Plug Back Total Depth 3013'

Amount of Surface Pipe Set and Cemented at 868 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan Action 3.4.04  
(Data must be collected from the Reserve Pit)

Chloride content 56,000 MG/LITER ppm Fluid volume 800 bbls

Dewatering method used DRIED AND BACKFILLED

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  E  W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Sue Sellers

Title REGULATORY STAFF ASSISTANT Date 02/05/04

Subscribed and sworn to before me this 5TH day of FEBRUARY, 20 04.

Notary Public HELEN K. ZAPALAC  
NOTARY PUBLIC STATE OF KANSAS  
COMMISSION EXPIRES: MAY 26, 2006

Date Commission Expires \_\_\_\_\_

**KCC Office Use ONLY**

Letter of Confidentiality Attached

If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

Operator Name: BP AMERICA PRODUCTION COMPANY

Lease Name RATZLAFF, D. GAS UNIT Well # 4

Sec. 16 Twp. 23 S.R. 36  East  West

County KEARNY

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E.Logs Run: <b>COMPENSATED SPECTRAL NATURAL GAMMA</b>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;"><input checked="" type="checkbox"/> Log</td> <td style="width:60%;">Formation (Top), Depth and Datums</td> <td style="width:25%;"><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td><b>CHASE</b></td> <td><b>2592'</b></td> <td><b>KB</b></td> </tr> <tr> <td><b>COUNCIL GROVE</b></td> <td><b>2852'</b></td> <td><b>KB</b></td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample	Name	Top	Datum	<b>CHASE</b>	<b>2592'</b>	<b>KB</b>	<b>COUNCIL GROVE</b>	<b>2852'</b>	<b>KB</b>
<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample											
Name	Top	Datum											
<b>CHASE</b>	<b>2592'</b>	<b>KB</b>											
<b>COUNCIL GROVE</b>	<b>2852'</b>	<b>KB</b>											

CASING RECORD  New  Used  
 Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
<b>SURFACE</b>	<b>12 1/4"</b>	<b>8 3/8"</b>	<b>24#</b>	<b>868'</b>	<b>HLC PP</b>	<b>265</b>	<b>3%CC 1/4#FLO</b>
					<b>PREM PLUS</b>	<b>125</b>	<b>2%CC 1/4#FLO</b>
<b>PRODUCTION</b>	<b>7 7/8"</b>	<b>4 1/2"</b>	<b>10.5#</b>	<b>3013'</b>	<b>HLC PP</b>	<b>645</b>	<b>1/4# FLOCELE</b>

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
____ Perforate					
____ Protect Casing					
____ Plug Back TD					
____ Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
		Amount	Kind	
<b>4</b>	<b>2866-2886'</b>	<b>FRAC-150,000# OF 16/30 BRADY SAND</b>		<b>2866-2886</b>
		<b>W/70Q FOAM</b>		
		<b>ACID-500 GALS. OF 15% HCL</b>		<b>2866-2886</b>

TUBING RECORD	Size <b>2 3/8"</b>	Set At <b>2901'</b>	Packer At <b>N/A</b>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Enhr. <b>12-31-03</b>	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
		<b>0</b>		<b>200</b>		<b>0</b>		

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented  Sold  Used on Lease  Open Hole  Perforation  Dually Comp.  Commingled  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

# HALLIBURTON JOB SUMMARY

SALES ORDER NUMBER <b>2765567</b>	TICKET DATE <b>11/09/03</b>
BDA / STATE <b>MC/Ks</b>	COUNTY <b>KEARNY</b>
PSL DEPARTMENT <b>Cement</b>	<b>ORIGINAL</b>
CUSTOMER REP / PHONE <b>FRED HART</b>	
API/UMI # <b>093-21738-0000</b>	SAP BOMB NUMBER <b>7521</b>
HES FACILITY (CLOSEST TO WELL SITE) <b>Liberal Ks</b>	

REGION <b>Central Operations</b>	NWA / COUNTRY <b>Mid Continent/USA</b>
MIBU ID / EMPL # <b>MCL10101 106322</b>	H.E.S. EMPLOYEE NAME <b>Danny McLane</b>
LOCATION <b>LIBERAL</b>	COMPANY <b>BP AMERICA</b>
TICKET AMOUNT <b>\$7,618.08</b>	WELL TYPE <b>02 Gas</b>
WELL LOCATION <b>N/Lakin,Ks</b>	DEPARTMENT <b>Cement</b>
LEASE NAME <b>D RATZLAFF "GU"</b>	Well No. <b>A#4</b>
	SEC / TWP / RNG <b>16 - 23S - 36W</b>

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HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
McLane, D 106322	7.0			
Lemieux, M 266575	7.0			
Schawo, N 222552	5.0			
Howard, A.J. 285427	5.0			

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10547695	188			
10251401	188			
10010752 10011272	62			
10240236 10240245	62			

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form. Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth \_\_\_\_\_

Date	Called Out	On Location	Job Started	Job Completed
	11/9/2003	11/9/2003	11/10/2003	11/10/2003
Time	1530	1900	0000	0100

**Tools and Accessories**

Type and Size	Qty	Make
Float Collar 8 5/8	1	Competition
Float Shoe		Howco
Centralizers 8 5/8	4	Howco
Top Plug 8 5/8	1	Howco
HEAD 8 5/8	1	Howco
Limit clamp		Howco
Weld-A	1	Howco
Guide Shoe 8 5/8	1	Howco
BTM PLUG		Howco

**Well Data**

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	24#	8 5/8"		0	867.55	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			12 1/4"				Shots/Ft.
Perforations							
Perforations							
Perforations							

**Materials**

Mud Type _____	Density _____	Lb/Gal
Disp. Fluid _____	Density _____	Lb/Gal
Prop. Type _____	Size _____	Lb
Prop. Type _____	Size _____	Lb
Acid Type _____	Gal. _____	%
Acid Type _____	Gal. _____	%
Surfactant _____	Gal. _____	In
NE Agent _____	Gal. _____	In
Fluid Loss _____	Gal/Lb _____	In
Gelling Agent _____	Gal/Lb _____	In
Fric. Red. _____	Gal/Lb _____	In
Breaker _____	Gal/Lb _____	In
Blocking Agent _____	Gal/Lb _____	
Perfpac Balls _____	Qty. _____	
Other _____		
Other _____		
Other _____		
Other _____		

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
11/9	5.0	11/10	1.0	Cement Surface Casing
11/10	2.0			
<b>Total</b>	<b>7.0</b>	<b>Total</b>	<b>1.0</b>	

Ordered \_\_\_\_\_ Hydraulic Horsepower: Avail. \_\_\_\_\_ Used \_\_\_\_\_  
 Treating \_\_\_\_\_ Average Rates in BPM: Disp. \_\_\_\_\_ Overall \_\_\_\_\_  
 Feet 46.18 Cement Left in Pipe: Reason \_\_\_\_\_ SHOE JOINT

**Cement Data**

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	265	HLC PP	Bulk	3% CC - 1/4# FLOCELE	11.45	2.07	12.30
2	125	PREM PLUS	Bulk	2% CC - 1/4# FLOCELE	6.30	1.34	14.80
3							
4							

**Summary**

Circulating _____	Displacement _____	Preflush: BBI _____	5.00	Type: fresh water
Breakdown _____	MAXIMUM _____	Load & Bkdn: Gal - BBI _____		Pad:Bbl -Gal _____
Lost Returns- _____	Lost Returns- _____	Excess /Return BBI _____		Calc.Disp Bbl _____
Cmt Rtrn#Bbl _____	Actual TOC _____	Calc. TOC: _____		Actual Disp. _____
Average _____	Frac. Gradient _____	Treatment: Gal - BBI _____		Disp:Bbl _____
Shut In: Instant _____	5 Min. _____ 15 Min. _____	Cement Slurry BBI _____	97.7 , 29.8	
		Total Volume BBI _____	#VALUE!	

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_

THE INFORMATION STATED HEREIN IS CORRECT  
 CUSTOMER REPRESENTATIVE \_\_\_\_\_

*Fred Hart*  
 SIGNATURE



<b>HALLIBURTON JOB SUMMARY</b>		SALES ORDER NUMBER 2787187	TICKET DATE 11/11/03
REGION Central Operations	MWA / COUNTRY Mid Continent/USA	BDA / STATE MC/Ks	COUNTY KEARNY
MBU ID / EMPL # MCL10101 106322	H.E.S. EMPLOYEE NAME Danny McLane	PSL DEPARTMENT Cement	<b>ORIGINAL</b> 281-380-9189
LOCATION LIBERAL	COMPANY BP AMERICA	CUSTOMER REP / PHONE FRED HART	
TICKET AMOUNT \$9,147.76	WELL TYPE 02 Gas	API/MWI # 093-21738-0000	
WELL LOCATION Lakin, Ks	DEPARTMENT Cement	SAP BOMB NUMBER 7523	Cement Production Casing
LEASE NAME D RATZLAFF "GU"	Well No. A#4	SEC / TWP / RNG 16 - 23S - 36W	HES FACILITY (CLOSEST TO WELL SITE) Liberal Ks

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HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS
Mclane, D 106322	11.0		
Smith, B 106036	11.0		
Pollock, T 106089	4.5		
Schawo, N 222552	4.5		

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
420995	188			
10251401	188			
10011406 10011591	62			
10010752 10011272	62			

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form. Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth \_\_\_\_\_

Date	Called Out	On Location	Job Started	Job Completed
	11/10/2003	11/10/2003	11/11/2003	11/11/2003
Time	2200	2300	0830	0930

**Tools and Accessories**

Type and Size	Qty	Make
Float Collar		H
Float Shoe IFS 4 1/2	1	
Centralizers 4 1/2	6	O
Top Plug 4 1/2	1	
HEAD 4 1/2	1	W
Limit clamp		
Weld-A	1	C
Guide Shoe		
BTM PLUG		O

**Well Data**

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	10.5#	4 1/2"		0	3,013	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			7 7/8"				Shots/Ft.
Perforations							
Perforations							
Perforations							

**Materials**

Mud Type	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb
Prop. Type	Size	Lb
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

**Hours On Location**

Date	Hours	Date	Hours
11/10	1.0	11/11	1.0
11/11	10.0		
<b>Total</b>	<b>11.0</b>	<b>Total</b>	<b>1.0</b>

**Description of Job**  
Cement Production Casing

Ordered \_\_\_\_\_ Hydraulic Horsepower \_\_\_\_\_ Used \_\_\_\_\_  
 Treating \_\_\_\_\_ Average Rates in BPM \_\_\_\_\_ Overall \_\_\_\_\_  
 Feet 1 \_\_\_\_\_ Cement Left in Pipe \_\_\_\_\_ Reason \_\_\_\_\_ SHOE JOINT

**Cement Data**

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	645	HLC PP	BULK	1/4# FLOCELE	11.41	2.04	12.27
2							
3							
4							

**Summary**

Circulating Breakdown	Displacement	Preflush: BBI	5.00	Type: fresh water
Lost Returns	MAXIMUM	Load & Bkdn: Gal - BBI		Pad: Bbl - Gal
Cmt Rtn#Bbl	Lost Returns	Excess /Return BBI		Calc. Disp Bbl
Average	Actual TOC	Calc. TOC:		Actual Disp.
Shut In: Instant	Frac. Gradient	Treatment: Gal - BBI		Disp: Bbl
	5 Min. 15 Min.	Cement Slurry BBI	205.3	
		Total Volume BBI	258.30	

Frac Ring #1 \_\_\_\_\_ | Frac Ring #2 \_\_\_\_\_ | Frac Ring #3 \_\_\_\_\_ | Frac Ring #4 \_\_\_\_\_

THE INFORMATION STATED HEREIN IS CORRECT  
 CUSTOMER REPRESENTATIVE \_\_\_\_\_  
 \_\_\_\_\_  
 SIGNATURE

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ORIGINAL

HALLIBURTON JOB LOG						TICKET #	TICKET DATE
REGION Central Operations		NWA / COUNTRY Mid Continent/USA		BDA / STATE MC/Ks		COUNTY KEARNY	
MBU ID / EMPL # MCLI0101 106322		H.E.S EMPLOYEE NAME Danny McLane		PSL DEPARTMENT Cement		CUSTOMER REP / PHONE FRED HART 281-380-9189	
LOCATION LIBERAL		COMPANY BP AMERICA		WELL TYPE 02 Gas		API/WTI # 093-21738-0000	
TICKET AMOUNT \$9,147.76		DEPARTMENT Cement		JOB PURPOSE CODE Cement Production Casing			
WELL LOCATION Lakin,Ks		SEC/TWP/RNG 16 - 23S - 36W		RES FACILITY (CLOSEST TO WELL S) Liberal Ks			
LEASE NAME D RATZLAFF "GU"		Well No. A#4					
HES EMP NAME/EMP # (EXPOSURE HOURS)		HRS		HES EMP NAME/EMP # (EXPOSURE HOURS)		HRS	
McLane, D 106322		11		Smith, B 106036		11	
Pollock, T 106089		4.5		Schawo, N 222552		4.5	
Chart No.	Time	Rate (BPM)	Volume (BBL/GAL)	Press.(PSI)			Job Description / Remarks
				N2	CSG	Tbg	
	1800						Called for job
	1807						Do pre trip safety meeting
	1930						On location do job site assessment. Rig still drilling
							Wait on bulk trucks to go over risk assessment
	0530						Bulk trucks on location do job site assessment
	0535						Hold safety meeting and set up trucks
	0540						Hold safety meeting to start running casing & float equip.
	0600						Start running 4 1/2 casing and float equipment.
	0742						Casing on bottom. Hold safety meeting to hook up plug container and circulating hose
	0756						Start circulating with rig pump
	0815						Hold safety meeting on hooking up to pump truck
	0820						Through circulating with rig pump
							Job procedure for 4 1/2 long string
	0822				0/2500		Pressure test lines
	0825	3.0	5.0		0/50		Start fresh water spacer
	0826	6.5	234.3		50/105		Start 645 sacks of cement @ 12.3 #/gal
	0900						Through mixing cement
	0903						Shut down and wash up pumps and lines
							Release top plug
	0909	6.0	20.0		0/250		Start first 20 Bbls of displacement with 2% KCL
	0911	5.0	28.0		280		Start fresh water displacement
	0916	2.5			750/650		Slow down rate
	0920				750/1300		Plug landed and pressure up casing
	0921				1300/0		Release pressure
	0925						Hold safety meeting to rig down Halliburton trucks
Circulated cement to pit ✓							
Thank you for calling Halliburton							
Danny and Crew							



**COMPENSATED SPECTRAL  
NATURAL GAMMA  
ORIGINAL**  
(PRIMARY LOG)

COMPANY <u>BP AMERICA</u> WELL <u>D. RATZLAFF G.U. "A" #4</u> FIELD <u>PANOMA</u> COUNTY <u>KEARNY</u> STATE <u>KANSAS</u>	COMPANY <u>BP AMERICA</u> WELL <u>D. RATZLAFF G.U. "A" #4</u> FIELD <u>PANOMA</u> COUNTY <u>KEARNY</u> STATE <u>KANSAS</u> API No. <u>15-093-21738-0000</u> Location <u>210' FSL &amp; 2281' FWL</u> LAT: <u>38.02.49</u> LONG: <u>101.16.40</u> Other Services <u>PERFORATE</u> Sect <u>16</u> Twp <u>23S</u> Rge <u>36W</u>						
Permanent Datum <u>GROUND LEVEL</u> Elev <u>3210.0</u> Log measured from <u>K.B.</u> <u>7.0</u> ft. above perm. datum Drilling measured from <u>KELLY BUSHING</u>							
Elev.: K.B. <u>3217.0</u> D.F. <u>3216.0</u> G.L. <u>3210.0</u>							
Date @ Time Logged	<u>12-02-2003 @ 09:30</u>	Type fluid in hole	<u>WATER</u>				
Run No.	<u>ONE</u>	Density of Fluid	<u>8.3</u>				
Depth - Driller	<u>3012.0</u>	Fluid Level	<u>FULL</u>				
Depth - Logger	<u>3001.0</u>	Cement Top Est. Logged	<u>N/A</u>				
Bottom - Logged Interval	<u>2999.0</u>	Equipment / Location	<u>53864 / LIB</u>				
Top - Logged Interval	<u>2000.0</u>	Recorded by	<u>K.COLEMAN</u>				
Max. rec. temp., deg F.	<u>N/A</u>	Witnessed by	<u>JOE EUDEY</u>				
CEMENTING DATA		Surface	Protection	Production	Liner		
		<u>String</u>	<u>String</u>	<u>String</u>			
Date/Time Cemented							
Primary/Squeeze							
Expected Compressive Strength		psi@ hrs	psi@ hrs	psi@ hrs	psi@ hrs		
Cement Volume							
Cement Type / Weight		/	/	/	/		
Formulation							
MUD Type / MUD Wgt.		/	/	/	/		
RUN		BOREHOLE RECORD		CASING & TUBING RECORD			
No.	Bit Sz.	From	To	Size	Wgt.	From	To
<u>ONE</u>	<u>12.25"</u>	<u>SURFACE</u>	<u>863.0</u>	<u>8.625"</u>	<u>24.0#</u>	<u>SURFACE</u>	<u>863.0</u>
<u>TWO</u>	<u>7.875"</u>	<u>863.0</u>	<u>3012.0</u>	<u>4.5"</u>	<u>10.5#</u>	<u>SURFACE</u>	<u>3012.0</u>

**RECEIVED**  
**FEB 13 2004**  
**KCC WICHITA**