

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

Operator: License # 5249
 Name: Osborn Heirs Company
 Address: P. O. Box 17968
 City/State/Zip: San Antonio, Tx 78217
 Purchaser: pipeline connection is pending (Williams)
 Operator Contact Person: Nancy A. FitzSimon
 Phone: (210) 826-0700 ext 223
 Contractor: Name: Cheyenne Drilling
 License: 5382
 Wellsite Geologist: na
 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/Re-entry: 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. _____

<u>10/06/2001</u>	<u>10/08/2001</u>	<u>01/08/2002</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

RECEIVED
 MAR - 1 2002
 KCC WICHITA
 3-1-02

API No. 15 - 055-21766-0000
 County: Finney
SW Sec. 09 Twp. 24 S. R. 31 East West
1250 feet from (S) N (circle one) Line of Section
1250 feet from E (W) (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW (SW)
 Lease Name: Miller-Ritchey Well #: 1B
 Field Name: Hugoton
 Producing Formation: Chase
 Elevation: Ground: 2908 ft Kelly Bushing: 2915 ft
 Total Depth: 2810 ft Plug Back Total Depth: 2757 ft
 Amount of Surface Pipe Set and Cemented at 341.65 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from 341.65
 feet depth to surface w/ 300 sx cmt.
Drilling Fluid Management Plan ALT 2 g 8/26/02
 (Data must be collected from the Reserve Pit)
 Chloride content 9500 ppm Fluid volume _____ bbls
 Dewatering method used evaporation
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

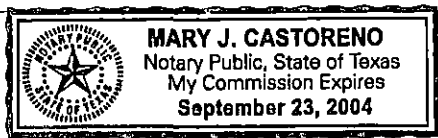
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: Nancy A. FitzSimon
 Title: Engineering Manager Date: 2/26/02
 Subscribed and sworn to before me this 26th day of February,
~~2002~~
 Notary Public: Mary J. Castoreno
 Date Commission Expires: _____

KCC Office Use ONLY

Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution



✓

X

Operator Name: Osborn Heirs Company Lease Name: Miller-Ritchey Well #: 1B
 Sec. 09 Twp. 24 S. R. 31 East West County: Finney

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). 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 Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)
 List All E. Logs Run:

<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample		
Name	Top	Datum
Herrington	2670	+245
Krider	2694	+221
Winfield	2758	+157

spectral density, dual spaced neutron, gamma ray, high resolution induction, spectral gamma ray

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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
surface	12-1/4"	8-5/8"	23.00	341.65 ft	premium	300	2% CaCl2
production	7-7/8"	5-1/2"	14.00	2804.57 ft	premium +	510	1% CaCl2

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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
4	Herrington @ 2676-2688 ft (total 12 ft, 48 holes)	} acidized with 3000 gal 7-1/2% HCl acid	
4	Krider @ 2700-2714 ft (total 14 ft, 56 holes)	} fracture treated with 15,000 gal 70 quality	
		} nitrogen foam containing	
		} 21,000 lbs 16/30 sand	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	2728 ft	na	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
Shut-in, waiting on pipeline connection		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas Vented Sold Used on Lease (if vented, Sumit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval 2676' - 2688'
2700' - 2714'

FALLBURTON		JOB SUMMARY		SALES ORDER NUMBER 1560415	TICKET DATE 10/06/01
REGION NORTH AMERICA LAND		NWA / COUNTRY MID CONTINENT USA		BDA / STATE KS	COUNTRY FINNEY
MBU ID / EMP # MCL0110 106328		H.E.S. EMPLOYEE NAME NICK KORBE		PSL DEPARTMENT Cementing Services	
LOCATION LIBERAL		COMPANY OSBORN HEIRS		CUSTOMER REP / PHONE Richard Griep DAMASO	
TICKET AMOUNT \$11,194.82		WELL TYPE GAS		API/WVI #	
WELL LOCATION E OF GARDEN CITY		DEPARTMENT CEMENT		SAP BOMB NUMBER 7521	Description Cement Surface Casing
LEASE NAME MILLER RITCHEY		Well No. 1-B	SEC / TWP / R1G 9-24S-31W	HES FACILITY (CLOSEST TO WELL SITE) LIBERAL	

ORIGINAL

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Korbe, N 106328	3.5			
King, K 105742	3.5			
WHITE, LYNDON 232712	3.5			
Archuleta, M 226383	3.5			

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
421270	155			
54218/78202	155			
10243558/75821	155			

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
	10/06/2001	10/06/2001	10/06/2001	10/06/2001
Time	1100	1400	1600	1630

Tools and Accessories

Type and Size	Qty	Make
Float Collar 8 5/8 INSERT	1	HALCO
Float Shoe		
Centralizers		
Top Plug 5-W	1	HALCO
HEAD		
Limit clamp		
Weld-A	1	HALCO
Guide Shoe EXAS PATTER	1	HALCO
BTM PLUG		

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	24.0	8 5/8		0	342	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							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	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

Hours On Location

Date	Hours
10/6	3.5
Total	3.5

Operating Hours

Date	Hours
10/6	1.0
Total	1.0

Description of Job
surface pipe

Hydraulic Horsepower

Ordered	Avail.	Used

Average Rates in BPM

Treating	Disp.	Overall

Cement Left in Pipe

Feet	Reason
43	SHOE JOINT

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	300	PREMIUM PLUS	BULK	2%CC, 1/8# POLYFLAKE	6.30	1.34	14.80

Summary

Circulating	Displacement	Preflush: BBI	Type:
Breakdown	MAXIMUM	Load & Bkdn: Gal - BBI	Pad:Bbl -Gal
Lost Returns	Lost Returns	Excess /Return BBI	Calc.Disp Bbl
Cmt Rtn#Bbl	Actual TOC	Calc. TOC:	Actual Disp.
Average	Frac. Gradient	Treatment: Gal - BBI	Disp:Bbl
Shut In: Instant	5 Min.	Cement Slurry BBI	19.00
		Total Volume BBI	#VALUE!

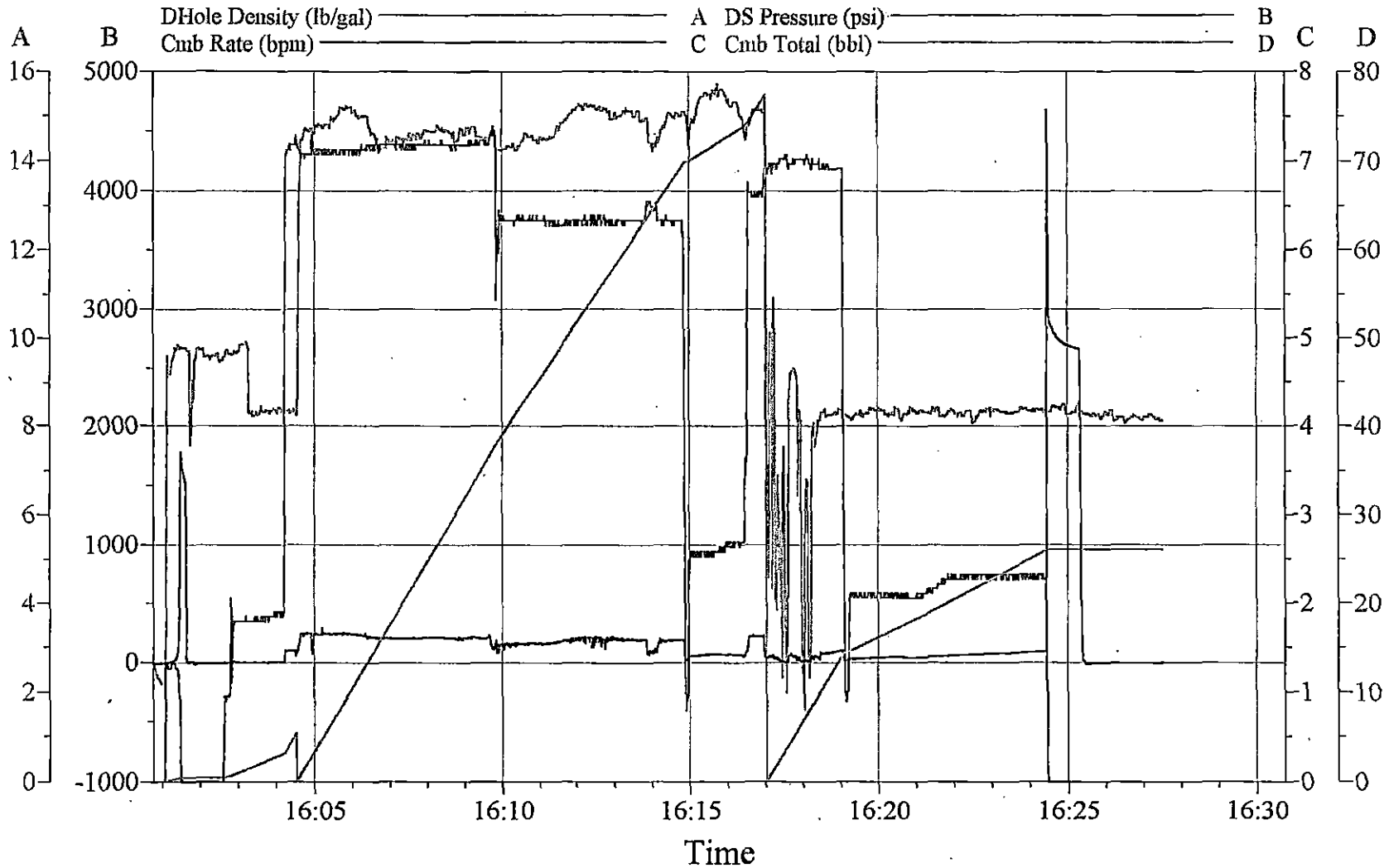
Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____

SIGNATURE _____

15-055-21766-0000

OSBORN HEIRS



Customer: OSBORN HEIRS
Well Description: MILLER RITCHEY 1-B

Job Date: 10-6-01
UWI: SURFACE PIPE

Ticket #: 1560415



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06-Oct-01 16:27

ORIGINAL

15-055-21766-0000

HALLIBURTON		JOB SUMMARY		SALES ORDER NUMBER 1667352	TICKET DATE 10/08/01
REGION NORTH AMERICA LAND		NVA / COUNTRY USA		BDA / STATE KS	FINNEY
RIBJ ID / EMPL # MCLI 0113 / 198516		H.E.S. EMPLOYEE NAME JASON CLEMENS		PSL DEPARTMENT Cementing Services	
LOCATION GARDEN CITY		COMPANY OSBORNE HEIRS		CUSTOMER REP / PHONE RICHARD GEIER	
TICKET AMOUNT \$15,530.89		WELL TYPE OIL		AP/U/WI #	
WELL LOCATION GARDEN CITY		DEPARTMENT ZI		SAP BOMB NUMBER 7523	Description Cement. Production Casing
LEASE NAME MILLER RITCHEY		Well No. 1-B	SEC / TWP / RNG 9-24S-31W	HES FACILITY (CLOSEST TO WELL SITE)	

ORIGINAL

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Clemens, A 198516	6.0			
DUXBURY, C 240187	6.0			
Archuleta, M 226383	3.0			
Ferguson, R 106154	3.0			

HES UNITS / (R/T MILES)	R/T MILES	R/T MILES	R/T MILES	R/T MILES
421269	150			
10251403	150			
10243558/75821	75			
10240236/10240445	75			

Form. Name _____ Type: _____	KCC			
Form. Thickness _____ From _____ To _____	Called Out	On Location	Job Started	Job Completed
Packer Type _____ Set At _____	Date 10/8/01	10/8/01	10/8/01	10/8/01
Bottom Hole Temp. _____ Pressure _____	Time 1800	2030	100	230
Retainer Depth _____ Total Depth _____				

Type and Size	Qty	Make
Float Collar	1	HES
Float Shoe		
Centralizers	3	
Top Plug	1	
HEAD	1	
Limit clamp		
Weld-A	1	
Guide Shoe	1	
BTM PLUG		

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	N	14.0	5 1/2		0	2,804	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							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 _____			
Other _____			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
10/8	6.0	10/8	2.0	SEE JOB LOG
Total	6.0	Total	2.0	

Ordered _____	Hydraulic Horsepower Avail. _____	Used _____
Treating _____	Average Rates in BPM Disp. _____	Overall _____
Feet 37	Cement Left in Pipe Reason _____	SHOE JOINT

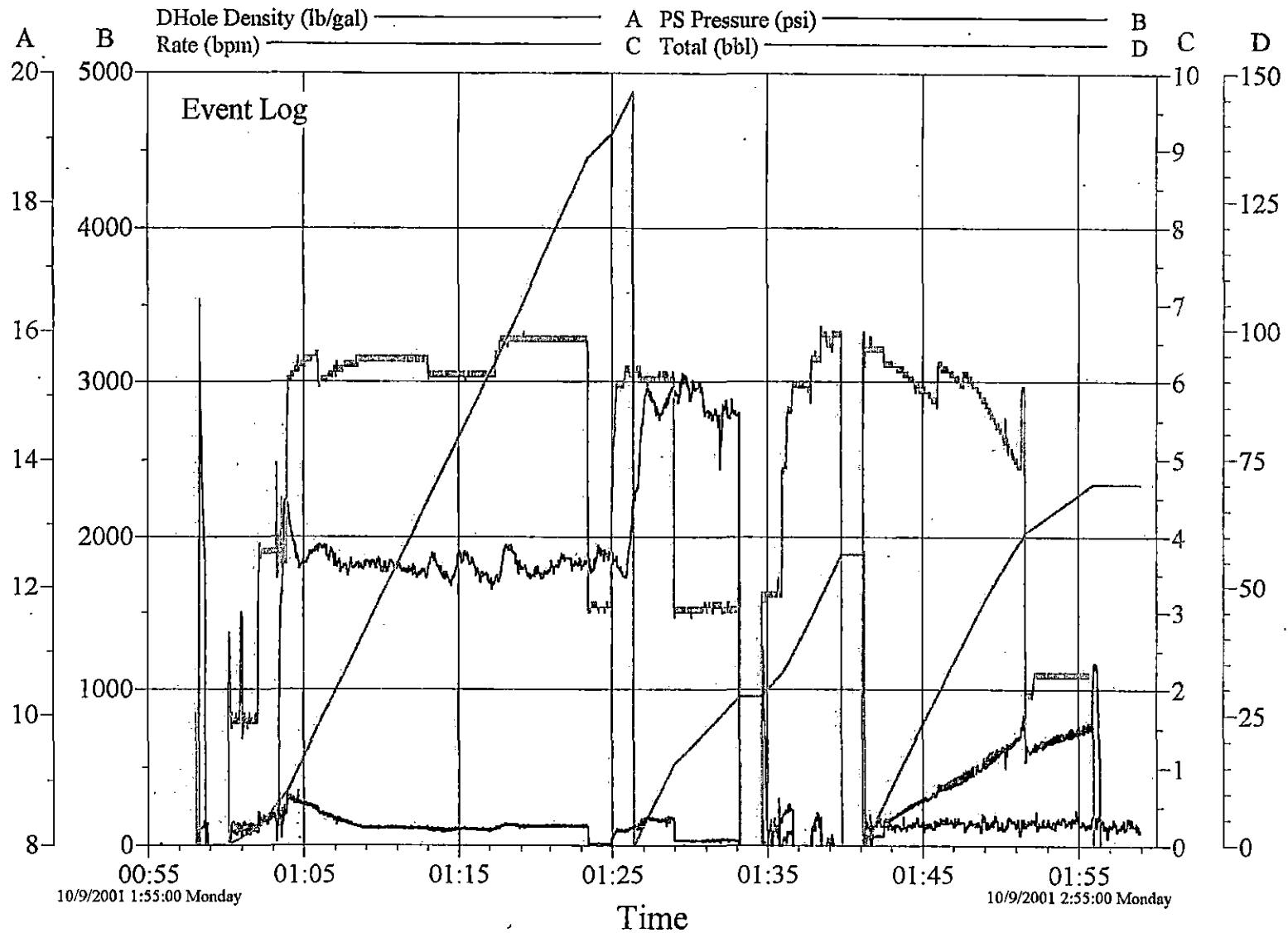
Cement Data							
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	400	HLC C	BULK	1/8 POLLY FLAKE	11.25	2.02	12.30
2	110	PP	B	1%CC, 1/8 POLLY FLAKE	6.25	1.33	14.8

Summary					
Circulating Breakdown _____	Displacement _____	Preflush: BBI _____	5.00	Type: H20	
_____	MAXIMUM _____	Load & Bkdn: Gal - BBI _____		Pad: Bbl - Gal _____	
Average Shut In: Instant _____	Frac. Gradient _____	Treatment: Gal - BBI _____		Disp: Bbl _____	67.00
_____	5 Min. _____	Cement Slurry BBI _____		LC 144 TC 26	
_____	15 Min _____	Total Volume BBI _____	5.00		


THE INFORMATION STATED HEREIN IS CORRECT
CUSTOMER REPRESENTATIVE _____

SIGNATURE _____

15-055-21766-0060



Customer:	Job Date:	Ticket #:
Well Description:	UWI:	

 HALLIBURTON
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09-Oct-01 02:02

ORIGINAL