

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

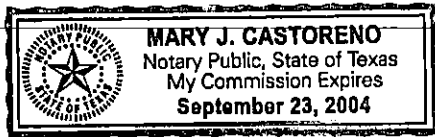
Operator: License # 5249
Name: Osborn Heirs Company
Address: P. O. Box 17968
City/State/Zip: San Antonio, Tx 78217
Purchaser: pipeline connection is Duke Energy
Operator Contact Person: Nancy A. FitzSimon **RECEIVED**
Phone: (210) 826-0700 ext 223 **11 MAR - 4 2002**
Contractor: Name: Cheyenne Drilling
License: 5382 **KCC WICHITA**
Wellsite Geologist: na **3-4-02**
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. _____
9/27/2001 9/29/2001 12/05/2001
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 093-21686-0000 **ORIGINAL**
County: Kearny
NE Sec. 35 Twp. 21 S. R. 38 East West
1320 feet from S / N (circle one) Line of Section
1320 feet from E / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Plummer Well #: 3
Field Name: Hugoton
Producing Formation: Chase
Elevation: Ground: 3350 ft Kelly Bushing: 3357 ft
Total Depth: 2995 ft Plug Back Total Depth: 2922 ft
Amount of Surface Pipe Set and Cemented at 261.04 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 261.04
feet depth to surface w/ 230 sx cmt.
Drilling Fluid Management Plan ALT 2 8/28 9/5/02
(Data must be collected from the Reserve Pit)
Chloride content 6500 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,
~~XX~~ 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

Operator Name: Osborn Heirs Company Lease Name: Plummer Well #: 3
 Sec. 35 Twp. 21 S. R. 38 East West County: Kearny

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:
 compensated neutron, litho-density, gamma ray, natural gamma ray spectroscopy, array induction, microlog

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Chase	2610	+747
Winfield	2650	+707
Fort Riley	2742	+615
Council Grove	2836	+521

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	261.04 ft	premium	230	2% CaCl2
production	7-7/8"	5-1/2"	14.00	2994 ft	premium +	660	.6% Halad 322

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	Krider @ 2618-2612 ft (total of 6 ft, 24 holes)	} acidized with 2000 gal 7-1/2% HCl acid	
4	Winfield @ 2656-2650 ft (total of 6 ft, 24 holes)	} fracture treated with 40,000 gal 70 quality	
4	Winfield @ 2666-2662 ft (total of 4 ft, 16 holes)	} and 65 quality nitrogen foam containing	
		} 73,000 lbs 12/20 sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	2714 ft	na	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr. 12/20/2001
 Producing Method **gas thru annulus, water thru tubing**
 Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	zero	50	110		

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 2666'-2662' ~~2666'-2662'~~
2656'-2650' ~~2656'-2650'~~
2618'-2612' ~~2618'-2612'~~

HALLIBURTON		JOB SUMMARY		SALES ORDER NUMBER 1538928	TICKET DATE 09/27/01
REGION NORTH AMERICA LAND		MNA / COUNTRY USA		BDA / STATE KS	COUNTY KEARNY
WBU ID / EMPL # MCLI 0113/212723		H.E.S. EMPLOYEE NAME JERRAKO EVANS		PSL DEPARTMENT Cementing Services	
LOCATION LAKIN, KS		COMPANY OSBORN HEIRS		CUSTOMER REP / PHONE RICHARD GEIER	
TICKET AMOUNT \$9,563.01		WELL TYPE OIL		AP/LWI #	
WELL LOCATION LAKIN, KS		DEPARTMENT ZI		SAP BOMB NUMBER 7521	Description Cement Surface Casing
LEASE NAME PLUMMER		Well No #3	SEC / TWP / RNG 35-21S-38W	HES FACILITY (CLOSEST TO WELL SITE) LIBERAL KS.	

ORIGINAL

RECEIVED
MAR - 4 2002

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
EVANS, J - 212723	1.0			
Clemens, A - 198516	1.0			
C DUXBURY 240187	1.0			
SPANGLER, M 211476	1.0			

HES. UNT #S / (R/T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
421269	150			
10251403	150			
53335-77031	75			

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
	09/27/2001	09/27/2001	09/27/2001	09/27/2001
Time	1200	1600	1748	1813

Tools and Accessories

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

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	23.0	8 5/8		0	261	
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		

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
9/27	2.0	9/27	1.0	SEE JOB LOG
				circumt
Total	2.0	Total	1.0	

Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM Disp.	Overall
Feet 43	Cement Left in Pipe Reason	SHOE JOINT

Cement Data

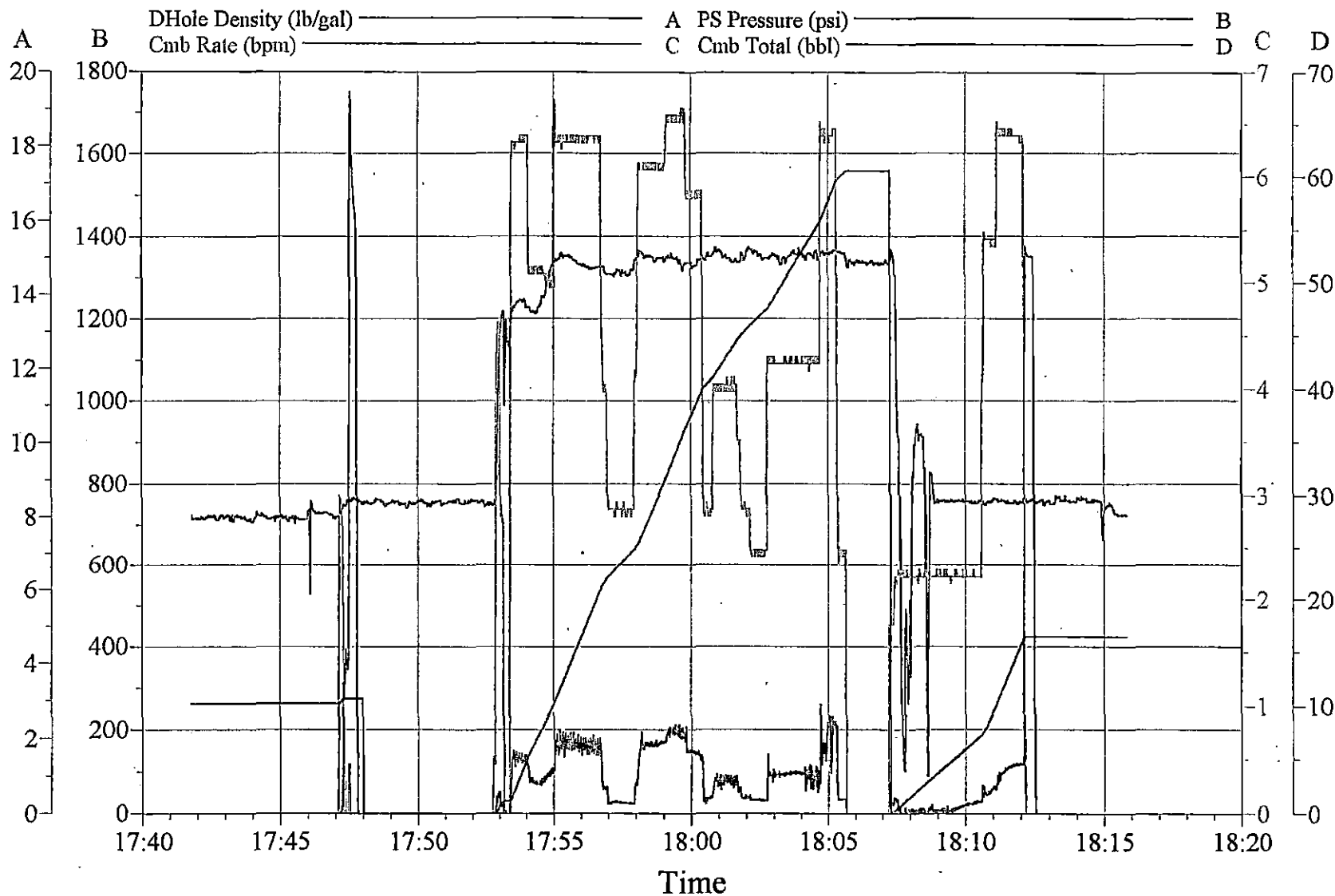
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	230	PP	BULK	2% CC, 1/8# POLYFLAKE	6.30	1.34	14.80
2			BULK				

Summary

Circulating Breakdown	Displacement	Preflush:	BBI	Type:
	MAXIMUM	Load & Bkdn:	Gal - BBI	Pad:Bbl -Gal
Average Shut In: Instant	Frac. Gradient	Treatment:	Gal - BBI	Disp:Bbl
	5 Min.	Cement Slurry	BBI	14.00
	15 Min	Total Volume	BBI	55.00

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____

SIGNATURE _____



Customer:
Well Description:

Job Date:
UWI:

Ticket #:

 HALLIBURTON
 CemWin v1.3.0
 27-Sep-01 18:16

ORIGINAL

HALLIBURTON		JOB SUMMARY		SALES ORDER NUMBER 1549910	TICKET DATE 09/30/01
REGION NORTH AMERICA LAND		NWA / COUNTRY USA		BDA / STATE KS	COUNTY KEARNY
MCLJ ID / EMPL # MCLJ 1830/ 198516		H.E.S. EMPLOYEE NAME JASON CLEMENS		PSL DEPARTMENT Cementing Services	
LOCATION LAKIN		COMPANY OSBORNE HEIRS		CUSTOMER REP / PHONE RICHARD GEIER	
TICKET AMOUNT \$18,417.07		WELL TYPE OIL		API/UMI #	
WELL LOCATION LAKIN		DEPARTMENT ZI		SAP BOMB NUMBER 7523	Description Cement Production Casing
LEASE NAME PLUMMER		Well No. 3	SEC / TWP / RNG 35-21S-38W	HES FACILITY (CLOSEST TO WELL SITE) LIBERAL KS.	

ORIGINAL

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS
Clemens, A - 198516	5.0	Archuleta, M - 226383	3.0		
EVANS, J - 212723		C OLIPHANT 243055	3.0	MAR - 4 2002	
C DUXBURY 240187	5.0				

HES UNIT #S / (R / T MILES)	R / T MILES	HES UNIT #S / (R / T MILES)	R / T MILES	HES UNIT #S / (R / T MILES)	R / T MILES
421269	150				
10251403	150				
	75				
	75				

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
	09/30/2001	09/30/2001	09/30/2001	09/30/2001
Time	300	700	1110	1230

Tools and Accessories

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		

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New/Used	14.0	5 1/2		0	2,986	
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		Operating Hours		Description of Job
Date	Hours	Date	Hours	
9/30	5.0	9/30	2.0	SEE JOB LOG
Total	5.0	Total	2.0	

Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM Disp.	Overall
Feet 43	Cement Left in Pipe Reason	SHOE JOINT

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	550	HLC C	Bulk	1/8# POLLY FLAKE	11.28	2.02	12.30
2	110	PP	BULK	1%CC, 1/8# POLLY FLAKE	6.25	1.33	14.8

Summary

Circulating Breakdown	Displacement	MAXIMUM	Preflush: BBI	5.00	Type: H2O
			Load & Bkdn: Gal - BBI		Pad: Bbl - Gal
Average Shut In: Instant	Frac. Gradient	5 Min. 15 Min.	Treatment: Gal - BBI		Disp: Bbl
			Cement Slurry BBI		LC 198 TC 26
			Total Volume BBI	77.00	

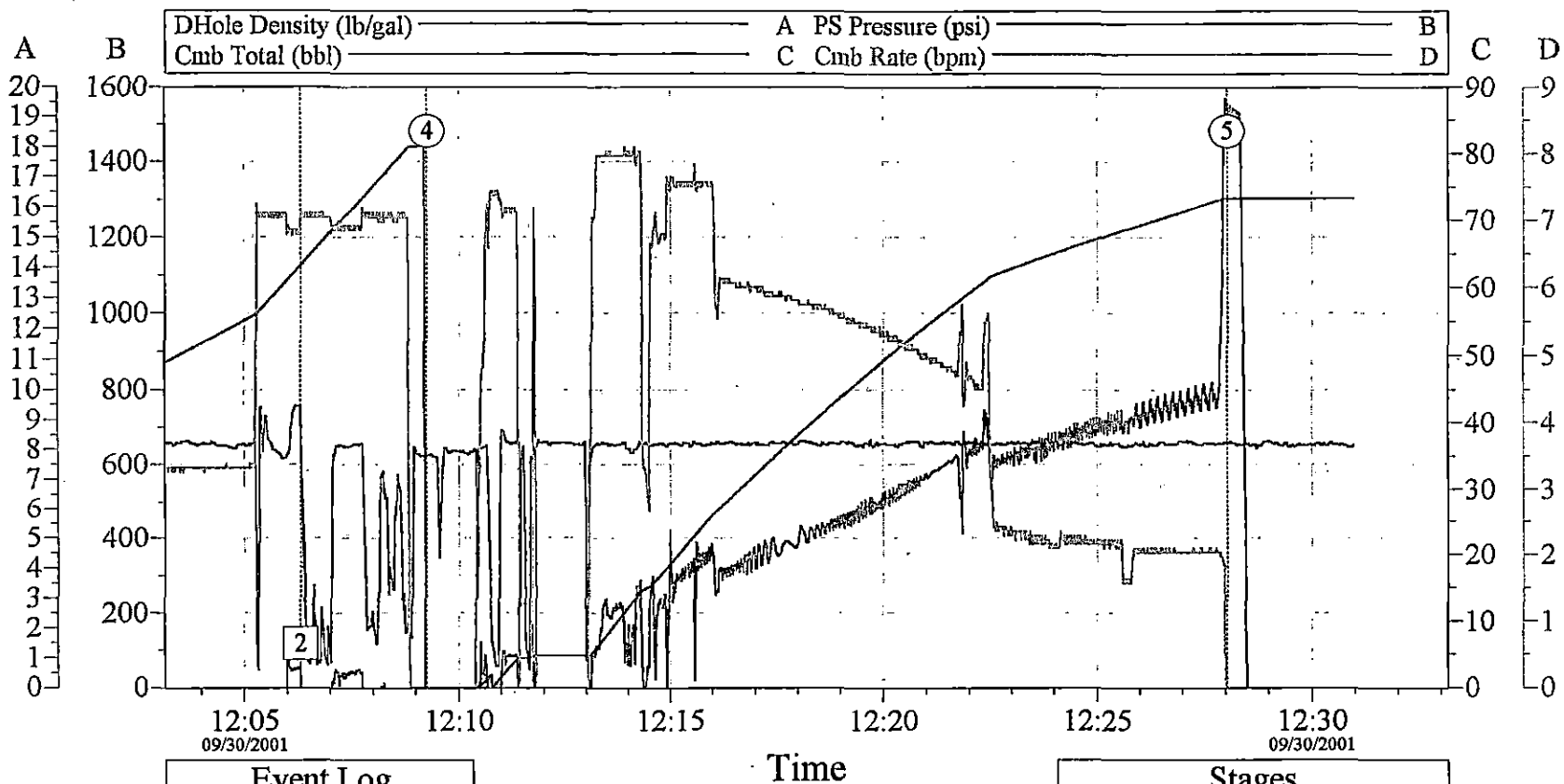
THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

ORIGINAL

		JOB LOG		TICKET # 1549910	TICKET DATE 09/30/01
REGION NORTH AMERICA LAND		NWA / COUNTRY USA		BDA / STATE KS	COUNTY KEARNY
MBU ID / EMPL # MCLI 1830/ 198516		H.E.S. EMPLOYEE NAME JASON CLEMENS		PSL DEPARTMENT Cementing Services	
LOCATION LAKIN		COMPANY OSBORNE HEIRS		CUSTOMER REP / PHONE RICHARD GEIER	
TICKET AMOUNT \$18,417.07		WELL TYPE OIL		API/LWI #	
WELL LOCATION LAKIN		DEPARTMENT ZI		JOB PURPOSE CODE Cement Production Casing	
LEASE NAME PLUMMER		Well No. 3	SEC / TWP / RNG 35-21S-38VV	HES FACILITY (CLOSEST TO WELL #) LIBERAL KS.	

HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
Clemens, A - 198516		Archuleta, M - 226383					
EVANS, J - 212723		C OLIPHANT 243055					
C DUXBURY 240187							


Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate			Job Description / Remarks
				N2	CSG	Tbg	
	700						ARRIVED ON LOCATION
	715						HOLD PRE JOB SAFTEY MEETING
	730						SPOT EQUIP.
	745						START F.E.
	1015						BREAK CIR W/ RIG
	1107				1500		PRESSURE TEST
	1110	3.0	5.0		180		START SPACER
	1112	6.0	198.0		240		START LEAD
	1148	6.0	26.0		135		START TAIL
	1200						WASH UP
	1201						DROP PLUG
	1209	6.0	72.0		200		START DISP
	1215	6.0	40.0		330		CAUGHT CEMENT
	1223	2.0	62.0		600		SLOW RATE
	1228	2.0	72.0		1500		LAND PLUG
							CIR PLUGS TO PIT 80 SKS



Event Log	
1	Test Lines 11:07:09
2	Clean Lines 12:06:19

Stages	
①	Start Job 11:06:49
②	Pump Spacer 1 11:10:37
③	Pump Lead Cement 11:12:24
④	Pump Displacement 12:09:16
⑤	Bump Plug 12:28:03

Customer: Well Description:	Job Date: UWI:	Ticket #:
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 HALLIBURTON
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 30-Sep-01 12:31

ORIGINAL