MAT 2-1-2007

Name: H & L OPERATING CO., L.L.P. P O BOX 7506

Operator Contact Person: RONALD P. MOON 353-4331

Contractor: Name: ABERCROMBIE RTD INC 30684 Wellsite Geologist: PAUL GODOWIC

Designate Type of Completion:

Operator: License # 32426

City/State/Zip: Purchaser:

Phone: (\_806

✓ New Well

Gas

CONS RVATION DIVISION WICHITA, KS

**AMARILLO TEXAS 79114** 

\_\_\_ Re-Entry

ENHR \_

If Workover/Re-entry: Old Well Info as follows:

\_ SIOW .\_\_. \_ SIGW

\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

#### Kansas Corporation Commission Oil & Gas Conservation Division

## 'RIGINAL WELL COMPLETION FORM **WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1 September 1999 Form Must Be Typed

County	MORTON
	<u>/2 - NE - SE</u> Sec. <u>18</u> Twp. <u>31</u> S. R. <u>40</u> ☐ East ✓ West
1650	feet from S / N (circle one) Line of Section
660	feet from E/ W (circle one) Line of Section
Footage	es Calculated from Nearest Outside Section Corner:
	(circle one) NE SE NW SW
Lease I	Name: BREEDING Well #: 1-18
	ame:
Produci	ing Formation:
Elevation	on: Ground: 3315 Kelly Bushing: 3322
	epth: 5750 Plug Back Total Depth:
	t of Surface Pipe Set and Cemented at 1802 Fee
Multiple	Stage Cementing Collar Used?
If yes, s	show depth setFee
If Alterr	nate II completion, cement circulated from
feet de	oth tosx cmt
	g Fluid Management Plan DAA KYR 12/13/ ust be collected from the Reserve Pit)
Chlorid	e content 1000 ppm Fluid volume 2000 bbls
Dewate	ring method used EVAPORATE DRY,BACKFILL & LEVEL
	n of fluid disposal if hauled offsite:
Locatio	or Name:
	or ivaline
Operato	Name: License No.:
Operato	

Operator: \_ Well Name: \_ \_\_\_\_\_Original Total Depth: Original Comp. Date: \_\_\_ Re-perf. Conv. to Enhr./SWD Deepening \_ Plug Back Plug Back Total Depth . Commingled Docket No. \_ Dual Completion Docket No. \_ Other (SWD or Enhr.?) Docket No. 04/20/07 05/02/07 P&A 05/04/07 Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date 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. tutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements All requirements of the sp herein are complete and correct to the best of my knowledge. KCC Office Use ONLY Date: **Letter of Confidentiality Received** If Denied, Yes Date:\_ **Wireline Log Received Geologist Report Received UIC Distribution** 

Signature: Subscribed and sworn to before me this Notary Public:

Sec. 18 Twp. 31 S. R. 40 East  West County: MORTON  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  Log Formation (Top), Depth and Datum Sample (Attach Additional Sheets)  Samples Sent to Geological Survey Yes No  CHASE 2161 1161  Cores Taken Yes No  TOPEKA 3178 144  Electric Log Run Yes No  LANSING 3746 -424  (Submit Copy)	Operator Name: H & L	OPERATING CO	., L.L.P.		Lea:	se Name:	BREEDING		Well #: <u>1-18</u>	3	
leated, time tool open and closed, flowing and shurtin pressures, whether shurts pressure reached state level. hydrostatic pressures, bottom hole emperature, fluid convery, and flow mise if gas to surface test, along with final chart(s). Attach oxtra sheet if more space is needed. Attach copy of all electric Wireline Logs surveyed. Attach final geological well site report.  Drill Stem Tosts Taken				t 🗸 West	Cour	nty: MORT	ON				<b></b>
Attach Additional Shaeley)  Samples Sent to Geological Survey	tested, time tool open temperature, fluid reco	and closed, flowing every, and flow rate	g and shu s if gas to	t-in pressures, surface test, a	whether along with	shut-in pro	essure reached	d static level, hydr	ostatic pressu	res, bottom	n hole
Samples Sent to Geological Survey			Y	es 🗸 No		<b>V</b> L	og Forma	tion (Top), Depth	and Datum	s	ample
Cores Taken	Samples Sent to Geof	ogical Survey	ΩY	es 🗹 No			_		•		
Electric Log Fluin (Jobanii Capy) (Jast att E. Logs Run:  DIL, N-D, ML, GR, SP  MARMATON 4362 -1040 ATOKA 4862 -1540 MORROW SHALE 5025 -1703 KINSLER SAND 5068 -1746 KEYES 5376 -2054  CASING RECORD Power Juses Report all strings set-conductor, surface, intermediate, production, etc.  Purpose of String Drilled Size Casing Policy Set (in O.D.) Set (in O.D.) Size Casing Record Lise, FR. Depth Set (in O.D.) Set (in O.D.)  ADDITIONAL CEMENTING / SQUEEZE RECORD  Purpose: Protect Casing Pulg Bask TD Pulg Off Zone  ADDITIONAL CEMENTING / SQUEEZE RECORD  Perforate Protect Casing Pulg Bask TD Pulg Off Zone  ADDITIONAL CEMENTING / SQUEEZE RECORD  PERFORATION RECORD - Bridge Plugs Set/Type Record Communication Additives  Protect Casing Pulg Bask TD Pulg Off Zone  ADDITIONAL CEMENTING / SQUEEZE RECORD  PERFORATION RECORD - Bridge Plugs Set/Type Record Communication Additives  Perforation Record Communication Additives  TUBING RECORD Size Set At Packer At Liner Run   ves   No    Date of First, Resumend Production, SWD or Entr.   Producing Method   Plowing   Plumping   Gas Lift   Other (Explain)   Protect Casing   Plumping   Qas Lift   Other (Explain)   Protect Casing   Plumping   Plumping   Plumping   Qas Lift   Other (Explain)   Protect Casing   Plumping   Plumping	Cores Taken		Y	es 🗸 No							
ATOKA	Electric Log Run (Submit Copy)			es No							
MORROW SHALE	List All E. Logs Run:										•
KINSLER SAND 5068 -1746 KEYES 5376 -2054    KEYES 5376 -2054								_			
CASING RECORD   New   Used   Report all strings set-conductor, surface, intermediate, production, etc.	DIL, N-D, ML,	GR, SP						-			
CASING RECORD  New						İ					
Purpose of String   Size Hole   Size Casing   Weight   Setting   Type of   F Sacks   Type and Percent   Additives   String   Setting   S	<u></u>								53/6	-2	U54 
Purpose of String  Size Hole Drilled  Size Casing			Reno					action etc			
SURFACE 12-1/4 8-5/8 24 1802 PREMIUM 590 3%CC  ADDITIONAL CEMENTING / SQUEEZE RECORD  Purpose:	Purpose of String		Si	e Casing	W	/eight	Setting	Type of			
Purpose:     Perforate     Protect Casing     Plug Bakt TD     Plug Off Zone  PERFORATION RECORD - Bridge Plugs Set/Type     Specify Footage of Each Interval Perforated  KANSAS CORPORATION COMMISSION  MAY 2 1 2007  CONSERVATION DIVISION     WICHITA, KS  TUBING RECORD  Size  Set At  Packer At  Liner Run  Yes  No  Date of First, Resumerd Production, SWD or Enhr.  Producting Method  Production Per 24 Hours  Disposition of Gas  METHOD OF COMPLETION  Per Hole  Per Lised on Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  Perf.  Dually Comp.  Commingled				t (In O.D.)	<del>                                     </del>	s. / Ft.				1	ditives
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Perforate Protect Casing Plug Back TD Plug Off Zone Plug Set Type Specify Footage of Each Interval Perforated (Amount and Kind of Material Used)  Shots Per Foot PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated (Amount and Kind of Material Used)  KANSAS CORPORATION COMMISSION  MAY 2 1 2007  CONSERVATION DIVISION WICHITA, KS  TUBING RECORD Size Set At Packer At Liner Run	· ·	Beath	1	ADDITIONAL	- CEMEN	TING / SQI	JEEZE RECOP	RD			
RECEIVED  KANSAS CORPORATION COMMISSION  MAY 2 1 2007  CONSERVATION DIVISION WICHITA, KS  TUBING RECORD Size Set At Packer At Liner Run Yes No  Date of First, Resumerd Production, SWD or Enhr.  Producing Method Flowing Pumping Gas Lift Other (Explain)  Estimated Production Per 24 Hours  Disposition of Gas METHOD OF COMPLETION Producing Model  Wented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled	Perforate Protect Casing Plug Back TD		Туре	of Cement	#Sac	ks Used		Type and	Percent Additive	3	
RECEIVED  KANSAS CORPORATION COMMISSION  MAY 2 1 2007  CONSERVATION DIVISION WICHITA, KS  TUBING RECORD Size Set At Packer At Liner Run Yes No  Date of First, Resumerd Production, SWD or Enhr.  Producing Method Flowing Pumping Gas Lift Other (Explain)  Estimated Production Per 24 Hours  Disposition of Gas METHOD OF COMPLETION Producing Model  Wented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled			1.		<u>.</u>		<u> </u>	<del></del>	. <del></del>		
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(If vented Submit ACO 18)	Disposition of Gas	METHOD OF C	OMPLETIC	DN	*****	• • • • • • • • • • • • • • • • • • • •	Production Inte	erva!			
		_				erf. 🔲 [	Dually Comp.	Commingled _		<del></del>	

OPERATOR NAME: H & L OPERATING CO., L.L.P. SEC 18  $^{\circ}$  TWP 31S  $\,$  R 40 W

LEASE NAME: BREEDING WELL #: 1-18 COUNTY: MORTON

SIDE TWO CONTINUED

#### FORMATION (TOP), DEPTH AND DATUM

NAME	TOP	DATUM
KEYES	5491	-2169
ST LOUIS	5584	-2262

**RECEIVED** KANSAS CORPORATION COMMISSION

MAY 2 1 2007

CONSERVATION DIVISION WICHITA, KS

wf Back

### Hallburtón

# Cementing Job Summary

Sold To #	:/3026	327	$\Delta$	Shin	TO	<i>he Road</i> #: 2568	to Ex	cellend				fety	· · · · · · · · · · · · · · · · · · ·	-				
Custome			RATINIC	SCOT	101	EDITON	IECC			te #:				Sale	s Orde	r#: 508	<u>5455</u>	j
Well Nam	o Pro	odina	IVATING	3 00 1	LP			4 4 5	Cus	tome	er Rep:	Brog	din, Mike					
Field:	e. Die	euing	C:	4. /04/	21. 1		Well #						API/L	JWI #:				
Contracto	<b>→</b> Λ Ε	POCD	ONADUE	ty (SAI	ع): ر	JNKNO		Count	y/Par	ish:	Morton		<del> </del>	State	e: Kans	as		
						Rig/Pi	atform	Name	/Num	: 3								
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Well Type								lug to A									• •• • • • • • • • • • • • • • • • • • •	<u> </u>
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Formation D		(MD) T	ор	*****		Bott	om I	<del></del>			101		Dat	_	Tim		me Z	one
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Cement Plug	$-\!\!\perp\!\!\!\perp$	Used											_   3	70.	600.	<del> </del>	<del> </del>	
Drill Pipe	35.70 (3.00 (3.00 -	Used		4.	5	3.826	16.6		·	<del></del>				-+	60. 1830.			
							Tools	and A	ccess	orie	<b>S</b>	See See			1030.		1	\$1,1925.
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uide Shoe					Pac	ker						Тор			26	Qty	IVIa	ake
loat Shoe					Bric	ige Plug							om Plug			<del></del>	<del> </del>	
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uage 1001	e egg, e	**************************************	I BARRAN	Jackson Selection	Photo and	Örter Beroten							ralizers				<del> </del>	
elling Agt							Miscel	laneou	s Mat	erial	S		n germani da karan Tanggaran	er la variata		]. 245 CT 44	- 7554 - 7554	
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reatment Fig		<del></del>	Cond			Inhibit				Con	C	Acid	Type	}	Qty		onc	%

KANSAS CORPORATION COMMISSION

DEC 0 3 2007

### HALLIBURTON

# Cementing Job Summary

	tage/Plug #: 1			Fluid Data						
Fluid #	The state of the s	Fluid	Name	Qty	Qty uom	_	Yield ft3/sk	Mix Fluid Gal/sk		Total Mi Fluid Gal/
1	1st Plug @ 1830ft	POZ PREMIUM 40/6	60 - SBM (150	75) 100.0	sacks		1.66	8.63		8.63
	4 %	BENTONITE, BULK	(100003682)		<u></u>		I	J	<u> </u>	
	8.631 Gal	FRESH WATER	<u>· · · · · · · · · · · · · · · · · · · </u>					<del></del>	·	
∕S	táge/Plug #: 2		A Committee of the		ata in	######################################	35 Philips	TAR STA	715.1836/det	VENTE LINE
Fluid #			Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uon
1	2nd Plug @ 600ft	POZ PREMIUM 40/6	0 - SBM (150	75) 50.0	sacks		1.66	8.63		8.63
	4 %	BENTONITE, BULK	(100003682)		<u></u>			(,l		
	8.631 Gal	FRESH WATER	· · · · · · · · · · · · · · · · · · ·		***				· · · · · · · · · · · · · · · · · · ·	
::S1	age/Plug #: 3			ren Velvallager	Section 1	P. HARRING	CV:	S. AFTONES	VARIOUS T	fan Weller
Fluid #		Fluid		Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uon
1	3rd Plug @ 60ft	POZ PREMIUM 40/6	0 - SBM (1507	75) 20.0	sacks	13.1	1.66	8.63		8.63
	4 %	BENTONITE, BULK (	100003682)			<u> </u>			L	0.00
flas Cardades	8.631 Gal	FRESH WATER						<del></del>		
	age/Plug #: 4		The second se			A. T. VIAGO	10440			
luid #	Stage Type	Fluid N		Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom
	Plug Rat Hole 4 %	POZ PREMIUM 40/60		5) 15.0	sacks	13.1	1.66	8.63	-	8.63
	8.631 Gal	BENTONITE, BULK (	100003682)						·	
650 X		FRESH WATER	Marian san san san san san san san san san s							
	Iculated Values ement	The state of the s	And the state of t			Vo	olumes			
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	adient	5 Min 15 Min		ement Returns	-	Actual Dis			Treatme	ent
		113 Milli	S	pacers	eres entrain	Load and E	3reakdow	'n	Total Jo	b
ircula	ating	Mixing		Rates	9					
		Amount 43.25 ft Rea	ason Shoe J	Displac	ement	<u> </u>		Avg. Joi	<u> </u>	
rac R	·	ID Frac ring # 2		Frac Ring	1#20	ID		Di "	401	
		Stated Herein Is (	1/	Customer Represe				ac Ring #	<u>4 @ </u>	ID

RECEIVED KANSAS CORPORATION COMMISSION

DEC 0 3 2007

CONSERVATION DIVISION WICHITA, KS

Summit Version:

7.20.130

Friday, May 04, 2007 05:28:00

### HALLIBURTON

## Cementing Job Log

The Road to Excellence Starts with Safety Sold To #: 302627 Ship To #: 2568805 Quote #: Sales Order #: 5085455 Customer: H & L OPERATING CO LLP EBUSINESS Customer Rep: Brogdin, Mike Well Name: Breeding Well #: 1-18 API/UWI #: Field: City (SAP): UNKNOWN County/Parish: Morton State: Kansas Legal Description: Lat: Long: Contractor: ABERCROMBIE Rig/Platform Name/Num: 3 Job Purpose: Plug to Abandon Service Ticket Amount: Well Type: Development Well Job Type: Plug to Abandon Service Sales Person: HESTON, MYRON Srvc Supervisor: SMITH, BOBBY MBU ID Emp #: 106036 Rate Pressure Volume **Activity Description** Date/Time Cht bbl/ psig Comments bbl min # Stage Total Tubing Casing Call Out 05/03/2007 16:00 Safety Meeting - Service 05/03/2007 Center or other Site 17:00 Arrive At Loc 05/03/2007 18:30 Pre-Job Safety Meeting 05/03/2007 18:30 Other 05/03/2007 bulk trucks on location 18:30 Safety Meeting - Pre Rig-Up 05/03/2007 pump truck 18:35 Safety Meeting - Pre Rig-Up 05/03/2007 bulk trucks 18:35 Other 05/03/2007 2nd crew arrives on RECEIVED KANSAS CORPORATION COMMISSION 23:00 location Other 05/03/2007 1st crew leaves location 23:30 DEC 0 3 2007 Other 05/04/2007 rig going back in the hole 00:26 with drill pipe CONSERVATION DIVISION Other 05/04/2007 Drill pipe on bottom. Rig WICHITA, KS 01:45 circulating. Safety Meeting 05/04/2007 location 02:00 Start Job 05/04/2007 plug one 1843 ft 02:17 **Test Lines** 05/04/2007 3500. kick outs 2000 02:19 0 **Pump Cement** 05/04/2007 5 29.5 100.0 100 sks 40/60 poz @ 02:23 13.1#/// plug @ 1843' Pump Displacement 05/04/2007 4.5 18.5 50.0 mud 02:30 Clean Lines 05/04/2007 rig pulling drill pipe 02:35

Sold To #: 302627

Ship To #:2568805

Quote #:

Sales Order #:

5085455

SUMMIT Version:

7.20.130

Friday, May 04, 2007 05:28:00

### HALLEURTON

# Cementing Job Log

Activity Description	: Date/Time	Cht	Rate bbl/ min	Proc. Marine Contract of the	ume bl	Art Comment	sure sig	Comments
		#	Witte.	Stage	Total	Tubing	Casing	
Start Job	05/04/2007 03:41							plug two 621 ft
Pump Cement	05/04/2007 03:41		4.5	14.5			50.0	50 sks 40/60 poz @ 13.1#/// plug @ 621'
Pump Displacement	05/04/2007 03:45		4.5	5	,		50.0	mud
Clean Lines	05/04/2007 03:46				11.			
Other	05/04/2007 03:55							rig pulling drill pipe
Start Job	05/04/2007 04:30							plug three 62 ft
Pump Cement	05/04/2007 04:31		4	6			50.0	20 sks 40/60 poz @ 13.1#/// plug @ 62'/// 15 sks plug rat & mouse hole
Pump Displacement	05/04/2007 04:33		5	1			50.0	water
Clean Lines	05/04/2007 04:35							rig pulling drill pipe
Start Job	05/04/2007 04:59							plug four rat and mouse
Pump Lead Cement	05/04/2007 05:01		4	5			50.0	15 sk 13.1 # (rat and
Clean Lines	05/04/2007 05:05							mouse)
End Job	05/04/2007 05:07							
Safety Meeting - Pre Rig-Down	05/04/2007 05:10							
Safety Meeting - Departing Location	05/04/2007 07:00						-	
Depart Location for Service Center or Other Site	05/04/2007 07:00							Thank you for calling Halliburton. Bob Smith and crew.

RECEIVED KANSAS CORPORATION COMMISSION

DEC 0 3 2007

CONSERVATION DIVISION WICHITA, KS

Sold To #: 302627

2627 Ship To # :2568805

Quote #:

Sales Order #:

5085455

SUMMIT Version:

7.20.130

Friday, May 04, 2007 05:28:00

W+ Bark

## HALLIBURTON

# Cementing Job Summary

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Sold To #										Quo	te #:	<b>:</b>				Sales	s Ord	er #:	5057	672
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Halleurton

# Cementing Job Summary

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RECEIVED KANSAS CORPORATION COMMISSION

**DEC 0 3 2007** 

CONSERVATION DIVISION WICHITA, KS

Summit Version: 7.10.386

### HALLIBUFTON

# Cementing Job Summary

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RECEIVED KANSAS CORPORATION COMMISSION

DEC 0 3 2007

CONSERVATION DIVISION OF WICHIELD KS

Summit Version: 7.10.386

Mondav. April 23. 2007 16:29:00

#### HALLEURTON

## Cementing Job Log

Road to 2568805 USINESS Well NOWN S Range D/Platform D Type: C //c Superv  // # 7	#: #1-18 County/F 40W In Name/N Cement Sovisor: CO Rate bbl/ min	Quote #: Custome Parish: M Long: E ( Num: 3 urface Ca BBLE, RAI	r Rep: Br lorton O deg. Of asing NDALL ume	Ticket  MBU IC	ike I/UWI #: State:	
Well NOWN S Range g/Platform b Type: Cook Supervise Cht #	#: #1-18 County/F 40W In Name/N Cement Sovisor: CO Rate Bbl//	Parish: M Long: E ( Num: 3 urface Ca BLE, RAI	lorton O deg. Of asing NDALL ume	AP RE0deg Ticket MBU II	/UWI #: 1	Secs.
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S Range g/Platform b Type: Cook Superviee Cht	t 40W  In Name/N  Cement Si visor: CO  Rate bbl/ min	Long: E (Num: 3)  urface Ca  BLE, RAI	o deg. Of esing NDALL ume	Ticket MBU II	j. 0 min. 0 Amount: ) Emp #:	O secs.
g/Platform b Type: C vc Superv ie Cht	n Name/N Cement Sovisor: CO Rate bbl/	Num: 3 urface Ca BLE, RAI Vol	nsing NDALL ume	Ticket MBU II	Amount:	
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7	min	b d	TOTAL WASHINGTON	D	sig .	Comments
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7				STATE	September 1997	AND CARACTO THE SHALL INVESTIGATE NAME OF STREET
<i>'</i>						
		<u> </u>				
7					·	
7						PICK UP BULK DRIVERS IN HUGOTON,KS
7						HUGU I UIII, ING
7						
7						RIG DRILLING @ 1605', TD=1805'
7						15-1000
7						SPOT EQUIPMENT WITH DOZER
						DRILL PIPE PULLING HARDSTUCK AT 400' FROM SURFACE-CALL WEATHERFORD FOR
,			25	CEIVED		DRIVING TOOL RELEASED FROM LOCATION
		KU				ECOATION
	,			RE HANSAS COR	RECEIVED WANSAS CORPORATION CO	RECEIVED

CONSERVATION DIVISION WICHITA, KE

Sold To #: 302627

Ship To #:2568805

Quote #:

Sales Order #:

5057672

SUMMIT Version:

7.10.386

Monday. April 23. 2007 04:29:00

### HALLIBURTON

## Cementing Job Log

			Råte	Vο	lume	P. Martin Barrier	ssure	
Activity Description	S Date/Time	Cht   	bbl/ min	<b>"我们是这个大型</b> "	bbl Total	Tubing	Sig Casing	Comments
Depart from Service Center or Other Site	04/23/2007 09:00						<u> </u>	JOURNEY MANAGMENT MEETING BEFORE DEPARTURE PICKED BULK DRIVERS UP IN HUGOTON
Arrive at Location from Service Center	04/23/2007 10:30							ASSESS LOCATION SPOT TRUCKS WITH DOZER LAYING DOWN COLLARS UPON ARRIVAL
Comment	04/23/2007 11:00							OUT OF HOLE WITH D.P RIG UP CASING CREW
Start In Hole	04/23/2007 11:30							RUNNIGN 8 5/8" 24# K-55 CSG.
Pre-Rig Up Safety Meeting	04/23/2007 12:00			<del></del>				TAKE CAUTION, LOCATION MUDDY
Rig-Up Equipment	04/23/2007 12:15							200/HON MODE
Casing on Bottom	04/23/2007 14:00			**************************************				RIG UP PLUG CONTAINER AND CIRC WITH RIG
Pre-Job Safety Meeting	04/23/2007 14:30							KICK OUT RIG PUMP AND HOCK UP TO HES LINES
Start Job	04/23/2007 14:38							
Test Lines	04/23/2007 14:39							3000 PSI
Pump Spacer 1	04/23/2007 14:40		3	7			80.0	FRESH WATER - DH DENSOMETER NOT WORKING SO USED RECIRC DENSOMETER FOR CHART
Pump Lead Cement	04/23/2007 14:43		6	231			80.0	440 SKS MIDCON-2 @ 11.4#
Pump Tail Cement	04/23/2007 15:20		5.5	36			120.0	150 SKS CLASS C 2 14.8#
Drop Plug	04/23/2007 15:30				RECE RECE	VED TON COMMISS	SION	17.011

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Monday. April 23. 2007 04:29:00

### HALLELFTON

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Activity Description	Date/Time	Cht	Rate bbl/ min	The State of the S	ume ibl	Pressure psig		Comments
		# # **		Stage	Total	Tubing	Casing	
Pump Displacement	04/23/2007 15:31		5.5	102			80.0	FRESH WATER - DURING DISP. RIG TANK RAN OUT OF WATER BECAUSE FRAC TANK WAS NOT EQUALIZING WITH IT
Other	04/23/2007 16:00		2	9			450.0	SLOWED RATE
Bump Plug	04/23/2007 16:06		2		111		450.0	PRESSURED PLUG UP TO 1100 PSI
Check Floats	04/23/2007 16:07							FLOATS HLED
End Job	04/23/2007 16:08				385			
Pre-Rig Down Safety Meeting	04/23/2007 16:10		,					USE CAUTION, LOCATION MUDDY
Rig-Down Equipment	04/23/2007 16:15							
Depart Location for Service Center or Other Site	04/23/2007 17:00				·			JOURNEY MANAGMENT MEETING BEFORE DEPARTURE

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Monday. April 23. 2007 04:29:00