

ORIGINAL

FORM MUST BE TYPED

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

SIDE ONE

OPERATOR: License # 5363  
Name: BEREXCO, INC  
Address: 970 FOURTH FINANCIAL CENTER  
City/State/Zip: WICHITA, KS 67202  
Purchaser: CENTRAL CRUDE CORPORATION  
Operator Contact Person: LEON RODAK  
Phone: (316) 265-3311  
Contractor: MURFIN DRILLING  
License: 30606  
Wellsite Geologist: CHARLES SPRADLIN SR  
Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.  
 Gas  EHHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)  
If Workover/Re-Entry; oil well info as follows:

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
 Deepening  Re-Perf  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_  
07/01/96 07/15/96 08/14/96  
Spud Date Date Reached TD Completion Date

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JAN 29 1999

FROM CONFIDENTIAL

API NO. 15- 193-20,653 0000  
County THOMAS  
W/2 - W/2 - NW - Sec 29 Twp 10 Rge 32 X E W  
1320 Feet from S (circle one) Line of Section  
330 Feet from E (circle one) Line of Section  
Footages Calculated from Nearest Outside section Corner:  
NE, SE, NW, or SW (circle one)  
Lease Name SPIERS Well # 3  
Field Name RIVERFORD  
Producing Formation L-KC "C-D", "L"  
Elevation: Ground: 3086 KB: 3091  
Total Depth 4720 PBTB 4660  
Amount of Surface Pipe Set and Cemented at 369 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2535 Feet  
If Alternate II completion, cement circulated from 2535  
Feet depth to SURFACE w/ 280 sx. cmt.

Drilling Fluid Management Plan ALTI II 11-4-99  
(Date must be collected from the Reserve Pit) DAW  
Chloride Content 689ppm Fluid Volume 1780 bbls  
Dewatering method used EVAPORATION  
Location of fluid disposal if hauled offsite: KCC  
Operator Name \_\_\_\_\_ OCT 14  
Lease Name \_\_\_\_\_ CONFIDENTIAL  
Quarter \_\_\_\_\_ Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rge \_\_\_\_\_ E/W \_\_\_\_\_  
County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas, 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-2-130, 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 with all plugged well. 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 \_\_\_\_\_  
Title DIVISION PRODUCTION ENGINEER Date 10/14/96  
Subscribed and sworn to before me this 14th day of October  
1996.  
Notary Public Tiffany R. Reese  
Date Commission Expires SEPTEMBER 19, 1999

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

TIFFANY R. REESE  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 9-19-99

Form ACO-1 (7-91)

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SIDE TWO

Operator Name BEREXCO INC  
Sec 29 Twp 10 Rge 32  
 East  
 West

Lease Name SPIERS Well # 3  
County THOMAS

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 pressure, whether shut-in pressure reached static level, hydrostatic pressure, 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 log.

Drill Stem Tests Taken (Attach Additional Sheets.)  Yes  No  
Samples Sent to Geological Survey  Yes  No  
Cores Taken  Yes  No  
Electric Log Run (Submit Copy.)  Yes  No

Log Formation (Top), Depth and Datum  Sample  
Name Top Datum  
SEE ATTACHED SHEET

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List All E. Logs Run:  
DUAL INDUCTION  
DUAL COMPENSATED POROSITY  
MICRORESISTIVITY

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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
SURFACE	12 1/4	8 5/8	20#	369'	60/40 POZ	240	3% CC
PRODUCTION	7 7/8	5 1/2	14#/15.5#	4720	MIDCON 2 EA-2	45 180	5# / SK FLOCELE 5# / SK FLOCELE

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

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	4296-4301 "L" ZONE	750 GALLONS 15% HCL	4296-4301
4	4080-4089 "C-D" ZONE	750 GALLONS 15% HCL	4080-4089

TUBING RECORD

Size	Set At	Packer At	Liner Run
2 3/8	4257	4257	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj	Producing Method
FIRST PRODUCTION 08/16/96	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimate Production Per 24 Hours	Oil Bbls	Gas TSTM	Water Bbls	Gas-Oil Ratio	Gravity
	44		232		31

METHOD OF COMPLETION

Disposition of Gas:  Vented  Sold  Used on Lease  
 Open Hole  Perf  Dually Comp  Commingled  
 Other (Specify) PUMP "C-D" ABOVE PACKER Production Interval 4080-89

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A 11-30

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SPIERS #3  
3091 KB  
W/2 W/2 NW  
Sec. 29, 10S, 32W

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15-193-20653

<u>FORMATION</u>	<u>LOG TOP</u>	<u>DATUM</u>
Anhydrite	2592	+499
Base Anhydrite	2620	+471
Heebner	3996	-905
Toronto	4016	-925
Lansing	4036	-945
LKC "B"	4068	-977
LKC "C-D"	4030	-989
LKC "G"	4134	-1043
Muncie Creek	4170	-1079
LKC "H"	4188	-1097
LKC "I"	4216	-1125
LKC "J"	4238	-1147
Stark	4254	-1163
LKC "K"	4269	-1178
LKC "L"	4296	-1205
Base Kansas City	4318	-1227
Marmaton	4354	-1263
Altamont "B" Por.	4400	-1309
Pawnee	4445	-1354
Fort Scott	4508	-1417
Cherokee	4536	-1445
Johnson	4582	-1491
Mississippi	4648	-1557

KCC  
OCT 14  
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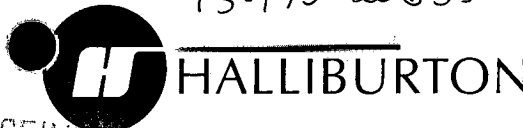
RECEIVED  
KANSAS CORP COM  
1998 OCT 16 A 11:36

15-193-20653-0000

REMIT TO:

P.O. BOX 951046  
DALLAS, TX 75395-1046

CUSTOMER COPY



HALLIBURTON

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KANSAS CORP CONT

INVOICE

INVOICE NO.	DATE
103611	07/15/1996

WELL LEASE NO./PROJECT <b>146 OCT 16</b>		WELL/PROJECT LOCATION <b>THOMAS</b>		STATE <b>KS</b>	OWNER <b>SAME</b>
SERVICE LOCATION <b>HAYS</b>		CONTRACTOR <b>MURFIN DRILLING #8</b>		JOB PURPOSE <b>CEMENT PRODUCTION CASING</b>	
ACCT. NO. <b>069439</b>		CUSTOMER AGENT <b>ED HANES</b>		VENDOR NO.	
CUSTOMER P.O. NUMBER		SHIPPED VIA <b>COMPANY TRUCK</b>		FILE NO. <b>10845</b>	

DIRECT CORRESPONDENCE TO:

BEREXCO  
FOURTH FINANCIAL CENTER  
100 N. BROADWAY SUITE 970  
WICHITA, KS 67202-2297

P O BOX 428  
HAYS KS 67601  
913-625-3431

CONFIDENTIAL

ORIGINAL

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
<b>PRICING AREA - MID CONTINENT</b>					
000-117	MILEAGE CEMENTING ROUND TRIP ✓	150	MI	2.99	448.50
		1	UNT		
007-013	MULT STAGE CEMENTING-1ST STAGE	4709	FT	1,820.00	1,820.00
001-016		1	UNT		
007-161	MULT STAGE CEMENTING-ADD STAGE	1	STG	1,550.00	1,550.00
		1	UNT		
314-163	CLAYFIX II	1	GAL	28.00	28.00
26	INSERT VALVE F. S.- 5 1/2" 8RD	1	EA	350.00	350.00
847.6318					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	69.00	69.00
815.19313					
71	CEMENTER-TYPE P ES 5-1/2 8RD	1	EA	2,450.00	2,450.00
813.56325					
75	PLUG SET - FREE FALL - 2-STAGE	1	EA	460.00	460.00
813.16510					
320	BASKET-CEMENT-5-1/2 X 7-7/8	3	EA	120.00	360.00
806.70030					
40	CENTRALIZER-5-1/2 X 7-7/8	21	EA	60.00	1,260.00
806.60022					
504-280	MIDCON-2 STANDARD CEMENT	325	SK	12.76	4,147.00
509-406	ANHYDROUS CALCIUM CHLORIDE	8	SK	40.75	326.00
507-210	FLOCELE	163	LB	1.65	268.95
504-308	CEMENT - STANDARD	180	SK	9.57	1,722.60
508-127	CAL SEAL 60	9	SK	25.90	233.10
509-968	SALT	1600	LB	.15	240.00
508-291	GILSONITE BULK	900	LB	.40	360.00
507-775	HALAD-322	127	LB	7.00	889.00
500-207	BULK SERVICE CHARGE	585	CFT	1.35	789.75
500-306	MILEAGE CMTG MAT DEL OR RETURN	1942.500	TMI	1.05	2,039.63
<b>INVOICE SUBTOTAL</b>					<b>19,811.53</b>

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

AFFIX JOB TKT

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account plus all collection and court costs.

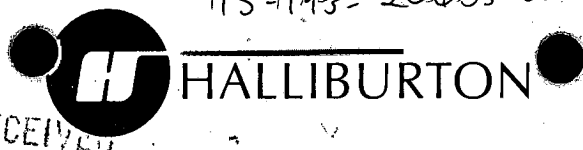
FORM HAL-1900-F

PAGE: 1

115-1193-20653-0600

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P.O. BOX 951046  
DALLAS, TX 75395-1046

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HALLIBURTON

INVOICE

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KANSAS CORP COMM

INVOICE NO.	DATE
103611	07/15/1996

WELL LEASE NO./PROJECT 170 OCT 16 SPIERS 3		WELL/PROJECT LOCATION 11137 THOMAS		STATE KS	OWNER SOME
SERVICE LOCATION HAYS		CONTRACTOR MURFIN DRILLING #8	JOB PURPOSE CEMENT PRODUCTION CASING		TICKET DATE 07/15/1996
ACCT. NO. 069439	CUSTOMER AGENT ED HANES	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA COMPANY TRUCK	FILE NO. 10845

BEREXCO  
FOURTH FINANCIAL CENTER  
100 N. BROADWAY SUITE 970  
WICHITA, KS 67202-2297

DIRECT CORRESPONDENCE TO:  
P O BOX 428  
HAYS KS 67601  
913-625-3431

ORIGINAL

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	DISCOUNT-(BID) 762 ✓				7,132.13-
	INVOICE BID AMOUNT				12,679.40
	*-KANSAS STATE SALES TAX				493.13
	*-HAYS CITY SALES TAX				100.61
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					\$13,273.14

REC  
OCT 14  
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AFFIX JOB TKT

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

FORM HAL-1900-F

PAGE: 2



HALLIBURTON ENERGY SERVICES

HAL-1906-P

CHARGE TO: **Berexco Inc** **CONFIDENTIAL**

ADDRESS: **401 E. Douglas Ste. 402**

CITY, STATE, ZIP CODE: **Wichita KS 67200**

CUSTOMER COPY

TICKET

No.

103611 - 2

PAGE 1 OF 2

SERVICE LOCATIONS 1. <b>Hays, Ks 025523</b>	WELL/PROJECT NO. 3	LEASE <b>Spriet</b>	COUNTY/PARISH <b>Thomas</b>	STATE <b>Ks</b>	CITY/OFFSHORE LOCATION	DATE <b>7-15-96</b>	OWNER <b>Same</b>
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <b>Amur Drilling</b>	RIG NAME/NO. <b>#8</b>	SHIPPED VIA <b>CT</b>	DELIVERED TO <b>Well site</b>	ORDER NO.	
3. WELL TYPE	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>01</b>	WELL PERMIT NO. <b>035</b>	WELL LOCATION <b>193-206530000</b>			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING LOC ACCT DF	DESCRIPTION	QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
000-117			MILEAGE	150	m			2.99	448.50
007-013	001-016		Pump Chg 1 <sup>st</sup> Stage	470	g			1880.00	1820.00
007-161			Pump Chg 2 <sup>nd</sup> Stage	1	ea			1550.00	1550.00
314-123			Claf. (for Preflush)	1	kgal			28.00	28.00
2L									
27	847.6318	1	Insert Valve Float Shoe	1	ea	5 1/2 in		350.00	350.00
20	815.19313	1	F. Whip Assy	1	ea			69.00	69.00
79	813.56325	1	Cement Type P ES	1	ea	5 1/2 in		2450.00	2450.00
75	813.16510	1	Plug Set - Free Fall	1	ea	5 1/2 in		460.00	460.00
320	806.70030	1	Cement Basket	3	ea	5 1/2 in		120.00	360.00
40	806.60022	1	Centralizers - S-4	2	ea	5 1/2 in		60.00	120.00

15-193-20653-0600

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LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: **7-15-96** TIME SIGNED: **01:00**

A.M.  P.M.

do  do not require IPC (Instrument Protection).  Not offered.

SUB SURFACE SAFETY VALVE WAS:  
 PULLED & RETURN  PULLED  RUN

DEPTH

SPACERS

CASING PRESSURE

TUBING SIZE: \_\_\_\_\_ TUBING PRESSURE: \_\_\_\_\_ WELL DEPTH: \_\_\_\_\_

TYPE VALVE

SURVEY:  AGREE  UN-DECIDED  DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE?  
 YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: **879.55**

FROM CONTINUATION PAGE(S): **11,016.2**

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE

CUSTOMER ACKNOWLEDGEMENT OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <b>Ed Jones</b>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <b>X Ed Jones</b>	HALLIBURTON OPERATOR/ENGINEER <b>John E. Baer</b>	EMP # <b>43822</b>	HALLIBURTON APPROVAL:
--	---	--	-----------------------	-----------------------



TICKET CONTINUATION

FIELD COPY

TICKET No. 103611

HALLIBURTON ENERGY SERVICES

Trk. 51252-76103  
3846-8206

CUSTOMER  
Berexco

WELL  
#3 Spiers

DATE  
7-15-96

PAGE 2 OF 2

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-200	-	1		3	Mid-Con-2	325				12 76	4,147 00
509-406		1			Calcium Chloride Blended	8				40 75	326 00
507-210		1			Flocele Blended	163	lb			1 65	268 95
504-308		1			Standard Cement	180				9 57	1,722 60
508-127		1			Cal Saal Blended	9				25 90	233 10
509-968		1			Salt Blended	1,600	lb			15	240 00
508-291		1			Gilsonite Blended	900	lb			.40	360 00
507-775		1			Halad-322 Blended	127	lb			7 00	889 00
500-207		1			SERVICE CHARGE					1 35	789 75
500-306		1			MILEAGE CHARGE					1 05	2,039 63
					TOTAL WEIGHT	51,800		LOADED MILES		75	
						CUBIC FEET		585			
						TON MILES		1,942.500			

15-193-20653-0000

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OCT 7 1996

No. B 339925

CONTINUATION TOTAL

11,016.03

**WELL DATA**

FIELD *3* SEC. *29* TWP. *10<sup>s</sup>* RING. *32<sup>w</sup>* COUNTY *Thomas* STATE *Ks*

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD. OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 PRESENT PROD. OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
 PACKER TYPE *DV* SET AT *2582'*  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH *4720*

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<i>u</i>	<i>11</i>	<i>3 1/2</i>	<i>0</i>	<i>4709'</i>	
LINER						
TUBING						
OPEN HOLE		<i>1 7/8</i>		<i>4709</i>	<i>4720</i>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <i>(Insert)</i>	<i>1</i>	<i>Hou-Geo</i>
GUIDE SHOE		
CENTRALIZERS <i>(5-11)</i>	<i>21</i>	
BOTTOM PLUG <i>(5-11)</i>	<i>1</i>	<i>Hou-Geo</i>
TOP PLUG <i>DV C 2582</i>	<i>1</i>	
HEAD		
PACKER		
OTHER <i>Cmt. Packers</i>	<i>3</i>	

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>6-14-96</i>	DATE <i>6-14-96</i>	DATE <i>6-15-96</i>	DATE _____
TIME <i>21:20</i>	TIME <i>23:30</i>	TIME <i>01:30</i>	TIME _____

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<i>S. Barker</i>	<i>113207</i>	<i>Hays, Ks</i>
<i>D. Ash</i>	<i>E1209</i>	
<i>T. Kroman</i>	<i>H4818</i>	
<i>L. Leck</i>	<i>13761251</i>	
	<i>11285</i>	
	<i>53293</i>	
	<i>BT 354L</i>	
	<i>16703</i>	

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL-°API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL-°API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ %  
 SURFACTANT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ %  
 NE AGENT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN  
 GELLING AGENT TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN  
 BREAKER TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT *Cement*  
 DESCRIPTION OF JOB *Cmt. Packers (23ft)*

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE *X E. HANES*

HALLIBURTON OPERATOR *John Barker* COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU. FT./SK.	MIXED LBS./GAL.
<i>1</i>	<i>45</i>	<i>Mid-Con-2</i>		<i>B</i>	<i>2% CC + 1/2% Flocc</i>	<i>3.23</i>	<i>11.1</i>
<i>1</i>	<i>180</i>	<i>EA-2</i>		<i>B</i>	<i>5% G. 1.000. r + 2% H. 1.0. 322</i>	<i>1.43</i>	<i>15.2</i>
<i>2</i>	<i>280</i>	<i>Mid-Con-2</i>		<i>B</i>	<i>2% CC + 1/2% Flocc</i>	<i>3.23</i>	<i>11.1</i>

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_  
 HYDRAULIC HORSEPOWER \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET *417'* REASON *Shoe Joint*

PRESLUSH: BBL-GAL *10* TYPE *Class. Water*  
 LOAD & BKDN: BBL-GAL \_\_\_\_\_ PAD: BBL-GAL *134*  
 TREATMENT: BBL-GAL \_\_\_\_\_ RISPL: BBL-GAL *500+650*  
 CEMENT SLURRY: BBL-GAL *(25.9+45.8=71.7) (161.1)*  
 TOTAL VOLUME: BBL-GAL \_\_\_\_\_

**REMARKS**

*Thank you*  
*John, Gene, Tom, Kyle*

CUSTOMER *Donnell*  
 LEASE *3600*  
 WELL NO. *3*  
 JOB TYPE *Cement Pack*  
 DATE *7-15-96*





JOB LOG HAL-2013-C

CUSTOMER Bercoco Inc	WELL NO. *3	LEASE Spicers	JOB TYPE Cmt Prof 3g	TICKET NO. 103611
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	21:00							Called Out
	23:30							On Loc - Rig Laying Down DP Spot + Set up Equip - Discuss Job Safety Meeting
	01:30							Start 5 1/2" Csg in Hole / 21 Cmt 93 Baskets 1ea Insert + Float Shoe / Fill up 1ea DV @ 2580'
	05:36							Csg in Hole - Set @ 4709'
	05:42							Hook up PC + Manifold Break Circ / Rig Pump Hook up to PT
	06:24					125		Start Pump Pre-flush (10 BBL) Ch. in Water
	06:27					150		Start Pump Cement 150sk Mid-Con 2 1/2" CC 1/2" Floccle 180sk EA-2 1/5" G. Granite 3/4" H-300
	06:41					200		Finish Mix Cement Release Plug - Wash out Pump & Lines
	06:43					200		Start Displ (49 water + 25 mud)
	07:05					750		Finish Displ
	07:05					1206		Plug Landed
	07:18					0		Release PRES. - Float Held
	07:39					650		Drop Free Fall Plug Open DV / PT - Rig Circ
	09:21					175		Start Pump Spacer - 2 BBL
	09:25					175		Start Pump Cmt 180sk Mid-Con 2 1/2" CC 1/2" Floccle
	09:43					225		Finish Mix Cmt Release Plug
	09:45					0		Start Displ
	10:57					600		Finish Displ - Cmt Did Circ - 20sk
	10:57					1500		Plug Landed - DV Closed Wash up + Rack up Job Complete
								Handed over John Pare Tom Lyle

ORIGINAL

RELEASED

JAN 29 1999

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