

CONFIDENTIAL

FORM MUST BE TYPED

SIDE ONE

ORIGINAL

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

Operator: License # 5952

Name: Amoco Production Company

Address PO Box 800 Room 924

City/State/Zip Denver, CO 80201

Purchaser: Texaco

Operator Contact Person: Susan R. Potts

Phone (303) 830-5323

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: Ken LeBlanc

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SMD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

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 (SMD or Inj?)  Docket No. \_\_\_\_\_

4/25/96 5/6/96 10/10/96  
Spud Date Date Reached TD Completion Date

API NO. 15- 187-20819-0000  
County Stanton  
C - SE - SW Sec. 35 Twp. 29S Rge. 40 X W  
660 Feet from S/N (circle one) Line of Section  
1980 Feet from E/W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)  
Lease Name Greta Mitchell Well # 1-35  
Field Name Little Arrow  
Producing Formation St. Louis  
Elevation: Ground 3259.32' KB 3272'  
Total Depth 5739' PBTB 5698'  
Amount of Surface Pipe Set and Cemented at 1713 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2984 Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.  
Drilling Fluid Management Plan ALT 1 JH 1-2-98  
(Data must be collected from the Reserve Pit)  
Chloride content 1500 ppm Fluid volume 2000 bbls  
Dewatering method used Dried and Filled  
Location of fluid disposal if hauled offsite: KCU  
Operator Name RELEASED OCT 23  
Lease Name JAN 29 1999 License No. \_\_\_\_\_  
Quarter Sec. Twp. S Rng. E/W  
County FROM CONFIDEN 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 Susan R. Potts

Title Senior Staff Assistant Date 10/23/96

Subscribed and sworn to before me this 23rd day of October, 1996.

Notary Public [Signature]

Date Commission Expires January 4, 1997

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)

RECEIVED  
KANSAS CORPORATION COMMISSION FORM ACO-1 (7-91)

1070 BROADWAY  
DENVER, CO 80201

OCT 24 1996

CONSERVATION DIVISION  
WICHITA, KS

SIDE TUB

JAN 20 1996

Operator Name Amoco Production Company Lease Name Greta Mitchell Well # 1-35

Sec. 35 Twp. 29S Rge. 40  
 East  
 West

County Stanton

**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 log.

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.)

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Chase	2258'	KB
Council Grove	2550'	
Base Heebner	3724'	
Lansing	3788'	
Marmaton	4400'	
Cherokee	4575'	
Harrow	5108'	
Chester	5490'	
Ste. Genevieve	5536'	
St. Louis	5632'	

List All E.Logs Run: Complex Lithology Analysis, Microlog, High Resolution Induction, Long Spaced Sonic, Spectral Density Dual Spaced Neutron II EVR

**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	12.25"	8.625"	28	1713'	Premium Plus Lite	500	2%CC+1/4#Flocele
Production-1st Stage	7.875"	4.5"	10.5	4900-5739'	Premium Plus	150	2%CC+1/4#Flocele
Production-2nd Stage	7.875"	4.5"	10.5	1513-2984'	Premium	240	1%CC, 7%EA-2, .6% Halad322, 15%Salt, 1/4# Air Flocele

**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	5647-5655'; set CIBP at 5644'; 5631-5639'	N/A	

**TUBING RECORD** Size 2.375" 4.7# J-55 EUE T&C Set At 5641' Packer At 5641' Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. First Oil 6/2/96 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 10 BOPD Bbls. Gas Mcf Water 180 BHPD Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: **METHOD OF COMPLETION**  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  Open Hole  Perf.  Dually Comp.  Commingled 5631-5639'  Other (Specify)

AMOCO PRODUCTION COMPANY  
GRETA MITCHELL 1-35  
SECTION 35-T29S-T40W  
STANTON COUNTY, KANSAS

CONFIDENTIAL

ORIGINAL

15-187-20819

COMMENCED: 04-25-96  
COMPLETED: 05-06-96

SURFACE CASING: 1713' OF 8 5/8" CMTD  
W/500 SKS PREMIUM PLUS LITE + 2% CC + 1/4  
#/SK FLOCELE. TAILED IN W/150 SKS  
PREMIUM PLUS + 2% CC + 1/4 #/SK FLOCELE

FORMATION

DEPTH

SURFACE HOLE	0 - 1713
SANDSTONE & SHALE	1713 - 1830
STONE CORRAL & CHASE	1830 - 2370
SHALE	2370 - 3000
COUNCIL GROVE	3000 - 3300
SHALE	3300 - 4030
LANSING	4030 - 4186
LIMESTONE & SHALE	4186 - 4460
MARMATON & CHEROKEE	4460 - 4610
CHEROKEE & LIMESTONE	4610 - 4960
CHEROKEE	4960 - 5260
MORROW	5260 - 5420
LIMESTONE	5420 - 5618
ST. LOUIS	5618 - 5703
LIMESTONE	5703 - 5770 RTD

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

KCC

OCT 23

CONFIDENTIAL

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

*Wray Valentine*

WRAY VALENTINE

STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 6TH DAY OF MAY, 1996



JOLENE K. RUSSELL

*Jolene K. Russell*

NOTARY PUBLIC  
RECEIVED

KANSAS CORPORATION COMMISSION

OCT 24 1996

CONSERVATION DIVISION  
WICHITA, KS



HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: **AMOCO**  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

DUPLICATE COPY

TICKET

No.

920905 - [ ]

PAGE 1 OF

1. SERVICE LOCATIONS <b>LIBERAL</b>	WELL/PROJECT NO <b>1-35</b>	LEASE <b>GRETE MICHELE</b>	COUNTY/PARISH <b>STANTON</b>	STATE <b>KS</b>	CITY/OFFSHORE LOCATION	DATE <b>5-13-96</b>	OWNER <b>AMOCO</b>
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION <b>LIBERAL</b>	INVOICE INSTRUCTIONS						

ORIGINAL

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PRICE REFERENCE	SECONDARY REFERENCE / PS# / NUMBER	ACCOUNTING	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
51538			MILEAGE						
750500			SERVICE CHG						900
751005			LMB						400
757000			DEPTH			5644 FT		20	1411
757018			BOLT PLUG (N7)					500.00	500
257300			DEPTH			5644 FT		17	903
75730			PERF 5631-5639			8 FT		180.00	1040

**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**

TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	PAGE TOTAL <b>5154</b>
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?	
TYPE OF EQUALIZING SUB	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	FROM CONTINUATION PAGE(S)
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	
DATE SIGNED	TIME SIGNED	ARE YOU SATISFIED WITH OUR SERVICE?	SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <b>2547</b>
<input type="checkbox"/> A.M. <input type="checkbox"/> P.M.		<input type="checkbox"/> YES <input type="checkbox"/> NO	

CUSTOMER DID NOT WISH TO RESPOND

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): **X**

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): **[Signature]**

HALLIBURTON OPERATOR/ENGINEER: **[Signature]** EMP # **23175**

HALLIBURTON APPROVAL: **[Signature]**

PAGE 01

AMOCO ULYSSES

3163566934

07/30/1996 06:32



JOB LOG HAL-2013-C

DATE 4-27-96 PAGE NO. 1

CUSTOMER AMOCO Production WELL NO. 1-35 LEASE GRITA MITCHELL JOB TYPE 8 7/8 SURFACE TICKET NO. 717289

CHART NO. TIME RATE (BPM) VOLUME (BBL) (GAL) PUMPS T C PRESSURE (PSI) TUBING CASING DESCRIPTION OF OPERATION AND MATERIALS.

0000 JOB READY ORIGINAL  
0030 CALLED OUT FOR JOB  
0330 PUMP TRUCK ON LOCATION - RIG  
TRIPPING OUT DRILL PIPE - SET UP  
PUMP TRUCK - D.P. PULLING TIGHT  
SHORT TRIP D.P.

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0825 START RUNNING 8 7/8 CASING + TCT EQUIP  
0945 CASING ON BOTTOM 1715' Hook up 8 7/8  
P/G & CIRCULATING TROW  
0955 START CIRCULATING WITH RIG PUMP  
1000 HOLD SAFETY MECHANISMS  
1010 THROUGH CIRCULATING Hook up TO PUMP TRUCK  
JOB PROCEDURE

1018 6.0 183 ✓ 1250 START MIXING 500 SPS LEAD CMT AT 12.3 <sup>LB/</sup> GAL  
1052 6.0 35 ✓ 050 START MIXING 150 SPS TAIL CMT AT 14.8 <sup>LB/</sup> GAL  
218 0 THROUGH MIXING CEMENT - SHUT DOWN  
1100 0 RELEASE PLUG - START DISPLACING  
1100 HAVE CMT RETURNS TO SURFACE  
1130 500 MAY LEAK PRESSURE BEFORE LANDING PLUG  
1136 1038 ✓ 750 PLUG DOWN - RELEASE FLOAT  
FLOAT HELD

Circulated (104 BBLs - 283 SPS)

OCT 23

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THANK YOU!  
CALL AGAIN

WOODY & DANNEY

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KANSAS CORPORATION COMMISSION

JAN 29 1999

FROM CONFIDENTIAL

OCT 24 1996

CONSERVATION DIVISION  
WICHITA, KS

CUSTOMER



# JOB SUMMARY

HALLIBURTON DIVISION MidcontinentHALLIBURTON LOCATION Liberal, KSBILLED ON TICKET NO. 919284

## WELL DATA

FIELD \_\_\_\_\_ SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_ COUNTY STANTON 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 \_\_\_\_\_ SET AT 1713  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH 1713

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	1	28'	8 7/8	K13	1717	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

# ORIGINAL

## JOB DATA

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT-SHOE <u>Insert</u>	<u>1</u>	<u>A</u>
GUIDE SHOE		
CENTRALIZERS	<u>4</u>	<u>O</u>
BOTTOM PLUG		
TOP PLUG <u>5" W</u>	<u>1</u>	<u>W</u>
HEAD <u>p/c</u>	<u>1</u>	
PACKER		<u>C</u>
OTHER <u>Weld</u>	<u>1</u>	<u>O</u>

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
<u>4-27-96</u>	<u>4-27-96</u>	<u>4-27-96</u>	<u>4-27-96</u>
DATE	DATE	DATE	DATE
TIME	TIME	TIME	TIME

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Woodrow</u>		
<u>Mr. McNamee</u>		
<u>Mr. Longworth</u>		
	<u>K-100</u>	
	<u>OCT 23</u>	
	<u>CONFIDENTIAL</u>	

# CONFIDENTIAL

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. \_\_\_\_\_ IN.  
 NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL. \_\_\_\_\_  
 GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

**RECEIVED**  
KANSAS CORPORATION COMMISSION**OCT 24 1996****CONSERVATION DIVISION**  
WICHITA, KS

DEPARTMENT CEMENT  
 DESCRIPTION OF JOB CEMENT 2 1/2" SURFACE CASING  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE X  
 HALLIBURTON OPERATOR J. Woodrow COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	RELEASED	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>500</u>	<u>Prem Plus LITE</u>	<u>SOUTHWEST</u>	<u>B</u>	<u>27cc 1/2" FLOCC</u>		<u>2.06</u>	<u>12.3</u>
	<u>150</u>	<u>premium</u>	<u>"</u>	<u>B</u>	<u>27cc 1/2" FLOCC</u>	<u>JAN 29 1999</u>	<u>1.32</u>	<u>14.8</u>

# FROM CONFIDENTIAL

### 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 45 REASON STOP JOINT

PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 104  
 CEMENT SLURRY: BBL.-GAL. 184.3 LC  
 TOTAL VOLUME: BBL.-GAL. 35.2 LC  
 21816 REMARKS  
GIVE MSDS SHEETS TO SAN CARROLL

CUSTOMER: AMCO Production LEASE: Capita M. 101116 WELL NO.: 1-35 JOB TYPE: 2 1/2" SURFACE DATE: 4-27-96





**HALLIBURTON ENERGY SERVICES**

HAL-1906-N

CHARGE TO: *Amoco Production*  
 ADDRESS: *RCU*  
 CITY, STATE, ZIP CODE: *OCT 23*

CUSTOMER COPY

TICKET

No.

919284 - 3

PAGE 1 OF 2

SERVICE LOCATIONS <i>1025340 LIBERAL</i>	WELL/PROJECT NO. <i>1-35</i>	LEASE <i>SOFTA MICHOU</i>	COUNTY/PARISH <i>STANTON</i>	STATE <i>KS</i>	CITY/OFFSHORE LOCATION <i>41 DIG BOWL</i>	DATE <i>4-27-91</i>	OWNER <i>JAMIE</i>
<i>202535 HUGOBON</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>CHRYSLER DRIG #7</i>	RIG NAME/NO.	SHIPPED VIA <i>WELL SER</i>	ORDER NO.	
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE <i>010-8 1/2 SURFACE</i>	WELL PERMIT NO. <i>15-187-20-819</i>	WELL LOCATION <i>LANCE</i>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>000-117</i>		<i>1</i>			MILEAGE	<i>142</i>	<i>mi</i>		<i>PT</i>	<i>2.85</i>	<i>296.40</i>
<i>000-117</i>		<i>1</i>			<i>CREW MILEAGE</i>	<i>142</i>	<i>mi</i>		<i>PT</i>	<i>1.50</i>	<i>156.60</i>
<i>001-016</i>		<i>1</i>			<i>PUMP CHARGE</i>	<i>1718</i>	<i>FT</i>	<i>6</i>	<i>HRS</i>	<i>13.20</i>	<i>1320.00</i>
<i>020-018</i>		<i>1</i>			<i>5" TOP PLUG</i>	<i>1</i>	<i>EA</i>	<i>8 3/8</i>	<i>IN</i>	<i>130.00</i>	<i>130.00</i>
<i>24A</i>	<i>815.17501</i>	<i>1</i>			<i>TWISPT FLOAT</i>	<i>1</i>	<i>EA</i>	<i>8 3/8</i>	<i>IN</i>	<i>182.00</i>	<i>182.00</i>
<i>27</i>	<i>815.19414</i>	<i>1</i>			<i>FILL UP ASSY</i>	<i>1</i>	<i>EA</i>	<i>1.50</i>	<i>PT</i>	<i>64.00</i>	<i>64.00</i>
<i>40</i>	<i>806.61048</i>	<i>1</i>			<i>CENTRALIZERS</i>	<i>4</i>	<i>EA</i>	<i>8 3/8</i>	<i>IN</i>	<i>61.00</i>	<i>244.00</i>
<i>350</i>	<i>870.10803</i>	<i>1</i>			<i>WELL A</i>	<i>1</i>	<i>EA</i>	<i>1</i>	<i>EA</i>	<i>16.75</i>	<i>16.75</i>

ORIGINAL  
 RELEASED  
 JAN 29 1999  
 CONFIDENTIAL

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 OCT 24 1996  
 CONSERVATION DIVISION  
 WICHITA, KS

CONFIDENTIAL

**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

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b>		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <i>2409 75</i>
TYPE/LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					FROM CONTINUATION PAGE(S) <i>10223 89</i>
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					<i>126.33 64</i>
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS. SATISFACTORILY?				
DATE SIGNED <i>4-27-91</i>	TIME SIGNED <i>2:50U</i>	<input type="checkbox"/> A.M. <input type="checkbox"/> P.M.	TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered				<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

**CUSTOMER ACCEPTANCE 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) <i>JAMIE CARROLL</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>X</i>	HALLIBURTON OPERATOR/ENGINEER <i>[Signature]</i>	EMP # <i>62573</i>	HALLIBURTON APPROVAL
---	--	---	-----------------------	----------------------



## TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. **CUSTOMER REPRESENTATION** - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. **PRICE AND PAYMENT** - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. 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 the 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.

C. **RELEASE AND INDEMNITY** - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE; INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. **EQUIPMENT LIABILITY** - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. **LIMITED WARRANTY** - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

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JOB LOG HAL-2013-C

DATE 5-5-96 PAGE NO. 1

CUSTOMER Amoco Production WELL NO. 1-35 LEASE GRETA MITCHELL JOB TYPE 4 1/2 LIS w/ PORT COLLAR TICKET NO. 919444

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1730							CALL OUT
	1930							ON LOCATION
	2010							SAFETY MEETING ORIGINAL
	2315							WASH DOWN CASING
	0040							CIRCULATE w/ REG PUMP
	0100							HOOK TO CASING
	0108	6.5	10				150	H <sub>2</sub> O AHEAD
	0111	6.5	57.7				200	MEX 240SK "H" w/ 1% C.C. - 79% EA-2 410% HALAD 322 13% SALT - 1/4" 1/2 D-APR-E 15.6 1/4 GAL - 1.35 F <sup>3</sup> /SK - 5.75 1/4 SK
								CONFIDENTIAL
	0124							WASH PUMP LINES
	0124							DROP LATCH DOWN PLUG
	0127	6.5	91.88				400	DISPLACE CEMENT KUL
	0144	2					1300	BUMP PLUG OCT 23
	0145						✓	CHECK FLOAT CONFIDENTIAL
								2 BPM - RATE BEFORE PLUG BUMPED
							1300	796 PSI - PRESSURE BEFORE PLUG BUMPED
								PORT COLLAR @ 3009' TO 3014'
								RELEASED
								RECEIVED KANSAS CORPORATION COMMISSION
								JAN 29 1999
								FROM CONFIDENTIAL
								OCT 24 1996
								CONSERVATION DIVISION WICHITA, KS
								THANK YOU MERV & ROBERT LEWIS



# JOB SUMMARY

HALLIBURTON DIVISION MPD-CONTINENT  
 HALLIBURTON LOCATION INTERNAL WICHITA

BILLED ON 1/19/94  
 TICKET NO. 119444

## WELL DATA

FIELD \_\_\_\_\_ SEC 35 TWP 37 RNG 40W COUNTY Sedgewick STATE KANSAS

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 \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	105	4 1/2	SURF	5700	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

## JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-5-96</u>	DATE <u>3-5-96</u>	DATE <u>3-6-96</u>	DATE <u>3-6-96</u>
TIME <u>7:30</u>	TIME <u>19:30</u>	TIME <u>2:15</u>	TIME <u>12:15</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>INTERNAL AGENCIES</u>	<u>38342</u>	<u>INTERNAL</u>
<u>INTERNAL AGENCIES</u>	<u>22775</u>	<u>INTERNAL</u>
<u>INTERNAL AGENCIES</u>	<u>22775</u>	<u>INTERNAL</u>
<u>INTERNAL AGENCIES</u>	<u>491-6110</u>	<u>INTERNAL</u>
<u>INTERNAL AGENCIES</u>	<u>8410</u>	<u>INTERNAL</u>

KCC  
OCT 23

CONFIDENTIAL

CONFIDENTIAL

DEPARTMENT CONCRETE (KCC)  
 DESCRIPTION OF JOB CONCRETE 4 1/2" DIAMETER CEMENT  
WELL - PORT COLLA 2 (W 300)

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN

CUSTOMER REPRESENTATIVE **X**

HALLIBURTON OPERATOR Mark Anderson COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	280	"40"		15	1700-1800-2000-2200-2400-2600-2800-3000-3200-3400-3600-3800-4000-4200-4400-4600-4800-5000-5200-5400-5600-5800-6000-6200-6400-6600-6800-7000-7200-7400-7600-7800-8000-8200-8400-8600-8800-9000-9200-9400-9600-9800-10000	1.25	15.6

## PRESSURES IN PSI

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 41.67 REASON SHUT-IN

## SUMMARY

## VOLUMES

PRESLUSH: BBL-GAL 10 TYPE 100  
 LOAD & BKDN: BBL-GAL \_\_\_\_\_ PAD: BBL-GAL \_\_\_\_\_  
 TREATMENT: BBL-GAL \_\_\_\_\_ DISPL: BBL-GAL 9188  
 CEMENT SLURRY: BBL-GAL 377  
 TOTAL VOLUME: BBL-GAL 1800

## REMARKS

SEE TAB 105





**HALLIBURTON ENERGY SERVICES**

HAL-1906-N

CHARGE TO: **AMCO PRODUCTION**  
 ADDRESS: **AMCO PRODUCTION**  
 CITY, STATE, ZIP CODE: **OKLAHOMA**

CUSTOMER COPY

TICKET

No. **919444 - 9**

RELEASED

JAN 29 1999

PAGE 1 OF 2  
 FROM CONFIDENTIAL

1. SERVICE LOCATIONS <b>1.133120L KAN.</b>	WELL/PROJECT NO. <b>1-35</b>	LEASE <b>GRETA MITCHELL</b>	COUNTY/PARISH <b>STANTON</b>	STATE <b>OKS</b>	CITY/OFFSHORE LOCATION <b>3000</b>	DATE <b>JAN 29 1999</b>	OWNER
2. TICKET TYPE <b>2.100000 KAN</b>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO. <b>(KEYWAY = 7)</b>	SHIPPED VIA <b>CV</b>	DELIVERED TO <b>LOCATION</b>	ORDER NO.
3.	WELL TYPE <b>02</b>	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>035</b>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS <b>CEMENT #12 PRODUCTION A WITH PORT COLLAR</b>					

PRICE-REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
000-417					MILEAGE R.O.M.	145	MI	1EA	2.85	413.25
000-119					CREW MILEAGE	145	MI	1EA	1.50	217.50
001-416					DEPTH CHARGE	5782	FT	1EA	3000.00	2000.00
12A	825.001				GUIDE SHOE 4 1/2"			1EA	93.00	93.00
50	806.60104				Fixed Master (cementizers)			1EA	540.00	540.00
40	806.60004				Running Cementizers			1EA	300.00	300.00
300	806.71415				CANNON BASKET			1EA	97.00	97.00
73					PORT COLLAR (BAVED)			1EA	1525.00	1525.00
350	890.10002				WELD-A			1EA	10.50	10.50
543	801.03728				PLUG DOWN PLUG 4 1/2"			1EA	159.00	159.00
574	801.03724				LATCH DOWN Baffle Plate			1EA	100.00	100.00

RECEIVED  
KANSAS CORPORATION COMMISSION  
OCT 24 1998

ORIGIN  
CONSERVATION DIVISION  
WICHITA KS

CONFIDENTIAL

**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

**X**

DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_

A.M.  
 P.M.

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

SUB SURFACE SAFETY VALVE WAS:  
 PULLED & RETURN  PULLED  RUN

TYPE LOCK	DEPTH	
BEAN SIZE	SPACERS	
TYPE OF EQUALIZING SUB.	CASING PRESSURE	
TUBING SIZE	TUBING PRESSURE	WELL DEPTH
TREE CONNECTION	TYPE VALVE	

<b>SURVEY</b>	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?	<input type="checkbox"/> YES <input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	5463	25
FROM CONTINUATION PAGE(S)	5476	48
SUB-TOTAL	10939	73
APPLICABLE TAXES WILL BE ADDED ON INVOICE	42.5%	
	690	

**CUSTOMER ACCEPTANCE 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)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
<b>X</b>		<i>M. W. Allesen</i>	65275	

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JOB LOG HAL-2013-C

CUSTOMER HROC, P&D, CO. A.	WELL NO. 1-35	LEASE GRTA MITCHELL	JOB TYPE GRTA	TICKET NO. 106573
-------------------------------	------------------	------------------------	------------------	----------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0630							CALLED OUT - REIDY 10:30
	0900							O.N. LOG. RUNNING TOG
	1100							CHANGE SAMPLE METERS
	1115							Look up TOG
	1127		34			30		START AC. FILL AIR
	1138							SHUT OFF PER P SAND 3:1 Hole
	1140	1/4	1/2					DUMP SAND WATER GRAVEL
	1143		11			3/200		PUMP SAND ON DOWN TO BOTTOM
	1147	-	-			-		SHUT OFF
	1147					740/400		PRESSURE TEST PUMP - HOLD LEAK
	1201					770		TEST AGAIN "HELD"
	1202							RELEASED PRESSURE LOOK UP SWIVEL
	1212							PRESSURE UP 300 PSI OPEN TOOL
	1200	4	7.5			600/60		TOOL OPENED - INJECTION
	1222							START CNT. 12.3% GAL
								1136BL PUMPED ON CNT CIRCULATION
								TO SURFACE
	1230	3				400		SLOW RATE DOWN
	1242	3.3	3.3			350		START DISPLACEMENT AC
	1243	3.5	6.7			300/430		SLOW RATE DOWN
	1247							SHUT OFF
	1247	1/8	1/8			780		PRESSURE UP TOOL "HELD"
	1254	2.5	15			500	500	REVERSE OUT
	1300	-	-			-	-	SHUT OFF
	1336	3.3	57			120	120	WASH SAND OFF PLOG
								LEASE WATER ONLY
	1355	-	-			-	-	SHUT OFF Pull PLOG TOG
								Job OVER
								THANKS FOR CALLING
								HALLIBURTON ENERGY SERVICES
								L. SEDAL JR.
								BLOOMINGTON - NICHOLAS - TELFORD - GRANT
								M/S OS ON LOG
								CIRCULATED ALL CNT. SET
								TO SURFACE

CONFIDENTIAL

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

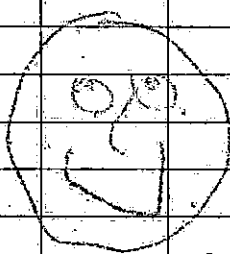
OCT 23

CONFIDENTIAL

RECEIVED KANSAS CORPORATION COMMISSION

OCT 24 1996

CONSERVATION DIVISION WICHITA, KS





# JOB SUMMARY

HALLIBURTON DIVISION Mud Cement  
 HALLIBURTON LOCATION L. B. PAUL KS.

BILLED ON TICKET NO. 146873

## WELL DATA

FIELD \_\_\_\_\_ SEC. 35 TWP. 25 RNG. 40 COUNTY STANTON 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 \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	10.5	4 1/2	KB	2500	
LINER						
TUBING	U	4.6	2 1/2	KB	2500	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

# ORIGINAL

## JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-9-96</u>	DATE <u>10-9-96</u>	DATE <u>10-9-96</u>	DATE <u>11-7-96</u>
TIME _____	TIME _____	TIME _____	TIME _____

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. PR. ANGELO</u>	<u>420043</u>	<u>L. B. PAUL KS.</u>
<u>J. NICHOLS</u>	<u>52947</u>	<u>"</u>
<u>S. TELESPRO</u>	<u>51234</u>	<u>Wichita KS</u>
<u>L. B. PAUL</u>	<u>420043</u>	<u>L. B. PAUL KS.</u>

# CONFIDENTIAL

## TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

## MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.

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.

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

**RELEASED**  
**JAN 29 1999**  
**FROM CONFIDENTIAL**

DEPARTMENT CEMENT

DESCRIPTION OF JOB CEMENT AVAILABLE PRODUCTION

OUT 7 D. T-1

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

CUSTOMER REPRESENTATIVE **X**

HALLIBURTON OPERATOR [Signature] COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU. FT./SK.	MIXED LBS./GAL.
1	270	Ken Penet			<u>NEW</u>	<u>2.6</u>	<u>123</u>

# RECEIVED

PRESSURE INCORPORATION COMMISSION

## SUMMARY

## VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH/BBL-GAL. 46 TYPE 720

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN/BBL-GAL. \_\_\_\_\_ PAD/BBL-GAL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT OCT 24 1996 TREATMENT/BBL-GAL. \_\_\_\_\_ DISPL./BBL-GAL. 11

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY/BBL-GAL. \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME/BBL-GAL. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE WICHITA KS USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

REMARKS MSA 500 000 LOT

# RETAIN

CUSTOMER: AMCO CO. 1100 S. GARDEN ST. WICHITA, KS. 67202

WELL NO. 1-35

JOB TYPE: CEMENT

DATE: 10-9-96







CHARGE TO: *Am Co*  
 ADDRESS: *KUL*  
 CITY, STATE, ZIP CODE: *OCT 23*

FIELD COPY

TICKET

No.

106873 - 8

PAGE 1 OF 2

1. SERVICE LOCATIONS <i>Liberal, KS 67534</i>	2. WELL/PROJECT NO. <i>11-35</i>	3. LEASE <i>Liberal</i>	4. COUNTY/PARISH <i>STURTON</i>	5. STATE <i>KS</i>	6. CITY/OFFSHORE LOCATION	7. DATE <i>10-9-96</i>	8. OWNER <i>SAFE</i>
2. TICKET TYPE <input type="checkbox"/> SERVICE <input checked="" type="checkbox"/> SALES	3. NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	4. CONTRACTOR <i>BARBO ONE SER</i>	5. RIG NAME/NO. <i>BARBO</i>	6. SHIPPED VIA	7. DELIVERED TO	8. ORDER NO.	
3. WELL TYPE <i>02</i>	4. WELL CATEGORY <i>02</i>	5. JOB PURPOSE <i>205</i>	6. WELL PERMIT NO.	7. WELL LOCATION <i>LA 18</i>			
4. REFERRAL LOCATION	5. INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>000-117</i>					MILEAGE	<i>170</i>	<i>mi</i>	<i>1400</i>	<i>mi</i>	<i>2.97</i>	<i>508.30</i>
<i>000-117</i>					<i>CREW MILEAGE</i>	<i>170</i>	<i>mi</i>	<i>1400</i>	<i>mi</i>	<i>1.60</i>	<i>272.00</i>
<i>009-017</i>					<i>PUMP CHARGE</i>	<i>2784</i>	<i>ft</i>	<i>10412</i>	<i>ft</i>	<i>1550</i>	<i>1550.00</i>

RELEASED  
 JAN 29 1999  
 FROM CONFIDENTIAL

ORIGINAL

CONFIDENTIAL

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 OCT 24 1996  
 CONSERVATION DIVISION  
 WICHITA, KS

**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

X

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b>		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <i>2360 30</i>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					FROM CONTINUATION PAGE(S) <i>3321 64</i>
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					<i>4261.43 5681 74</i>
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
DATE SIGNED	TIME SIGNED	<input type="checkbox"/> A.M. <input type="checkbox"/> P.M.	FREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered.				<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

**CUSTOMER ACCEPTANCE 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) <i>SAFE</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>[Signature]</i>	HALLIBURTON OPERATOR/ENGINEER <i>[Signature]</i>	EMP # <i>24604</i>	HALLIBURTON APPROVAL <i>[Signature]</i>
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## TERMS AND CONDITIONS

(1295)

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. **CUSTOMER REPRESENTATION** - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. **PRICE AND PAYMENT** - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. 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 the 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.

C. **RELEASE AND INDEMNITY** - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE, OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. 'HALLIBURTON GROUP' IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. **EQUIPMENT LIABILITY** - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless such loss is caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, this agreement will constitute Customer's written agreement under 10 CFR, Sec. 39.15 (a) that Customer shall be responsible for meeting all requirements of 10 CFR Sec. 39.15 and any other applicable laws or regulations concerning retrieval, monitoring, decontamination and abandonment, and Customer shall permit Halliburton to observe the recovery or abandonment efforts, all without risk or expense to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. **LIMITED WARRANTY** - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. **GOVERNING LAW** - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. **WAIVER** - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. **MODIFICATIONS** - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.