

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

Operator: License # 5952 **ORIGINAL**

Name: Amoco Production Company

Address PO Box 800 Room 924

City/State/Zip Denver, CO 80201

Purchaser: N/A

Operator Contact Person: Susan R. Potts

Phone (303) 830-5323

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: Charles Schmaltz

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD S10W 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 PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

2/1/96 2/17/96 3/26/96
Spud Date Date Reached TD Completion Date

API NO. 15- 187-20813-0000

County Stanton

SE - SW - NW - NE Sec. 35 Twp. 29S Rge. 40 W

1000 Feet from N (circle one) Line of Section

2000 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 Tiffany Jade Well # 1-35

Field Name Little Arrow

Producing Formation St. Louis

Elevation: Ground 3248.18' KB 3259'

Total Depth 5750' PBDT 5709.5'

Amount of Surface Pipe Set and Cemented at 1573 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2873 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 5-22-96
(Data must be collected from the Reserve Pit) DW

Chloride content 2500 ppm Fluid volume 3000 bbls

Dewatering method used Dried and Filled

Location of fluid disposal if hauled offsite: _____

Operator Name RELEASED

Lease Name _____ License No. _____

SEP 16 1990
Quarter Sec. Twp. S Rng. E/W

County FROM CONFIDENTIAL

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 5/8/96

Subscribed and sworn to before me this 8th day of May, 1996.

Notary Public Susan Callahan

Date Commission Expires August 4, 1998

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)

Form ACO-1 (7-91)

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 09 1996

CONSERVATION DIVISION
WICHITA, KS

SIDE TWO

Operator Name Amoco Production Company Lease Name Tiffany Jade 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 (No outside analysis) Yes No
 Electric Log Run Yes No
 (Submit Copy.)

Log **Formation (Top), Depth and Datums** Sample

Name	Top	Datum
Stone Corral	1671'	KB
Chase	2248'	
Council Grove	2536'	
Base Heebner	3714'	
Lansing	3776'	
Marmaton	4389'	
Cherokee	4576'	
Morrow	5103'	
Chester	5485'	
Ste. Genevieve	5519'	
St. Louis	5615'	

List All E.Logs Run: Dual Induction Laterolog, Microlog, High Resolution Induction, Spectral Density Dual Spaced Neutron II Log EVR

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	12.25"	8.625"	28	1573'	Premium Plus	Lite 460	2%CC+1/4#Flocele
Production	7.875"	4.5"	10.5	5750'	Premium Plus Premium	150 250	2%CC+1/4#Flocele 1%CC, 7%EA-2, .6% Halad 322, 15% Salt, 1/4# D-Air

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	Depth
4	5616-5630'	Acidize w/ 167 bbls. of 28% HCL	5616-5630'
	Set Titan CIBP at 5575'.	FRAC w/ 23,900 lbs of 20/40 sand and	5616-5630'
		122 bbls. CO2.	

TUBING RECORD	Size	Set At	Packer At	Liner Run
None				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. Shut in.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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

AMOCO PRODUCTION COMPANY
TIFFANY JADE #1-55
SECTION 35-T29S-R40W
STANTON COUNTY, KANSAS

ORIGINAL

15-187-20813

COMMENCED: 01-31-96
COMPLETED: 02-17-96

SURFACE CASING: 1573' OF 8 5/8" CMTD
W/460 SKS PREMIUM PLUS LITE + 2% CC + 1/4
#/SK FLOCELE. TAILED IN W/150 SKS
CLASS C + 2% CC + 1/4 #/SK FLOCELE.

FORMATION

DEPTH

SURFACE HOLE	0 - 1573
STONE CORRAL	1573 - 1695
RED BED	1695 - 2004
STONE CORRAL	2004 - 2044
STONE CORRAL & CHASE	2044 - 2400
CHASE & COUNCIL GROVE	2400 - 2776
COUNCIL GROVE	2776 - 3533
TOPEKA	3533 - 3920
LANSING	3920 - 4171
LANSING & MARMATON	4171 - 4375
MARMATON	4375 - 4575
CHEROKEE	4575 - 4940
CHEROKEE & MORROW	4940 - 5115
MORROW	5115 - 5505
MORROW & CHESTER	5505 - 5590
ST. GENEVIEVE	5590 - 5634
ST. LOUIS	5634 - 5750 RTD

RELEASED

SEP 16 1998

FROM 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 21ST DAY OF FEBRUARY, 1996

JOLENE K. RUSSELL

 JOLENE K. RUSSELL
State of Kansas
My Appl. Exp. 9-13-99

RECEIVED

KANSAS CORPORATION COMMISSION

Jolene K. Russell
NOTARY PUBLIC

MAY 09 1996

CONSERVATION DIVISION
WICHITA, KS

SUOAM - CRBP set
 @ 5575 in
 Tiffany Jade
 Joe E

ORIGINAL

RELEASED

SEP 16 1998

FROM CONFIDENTIAL

HALLIBURTON		AMOCO		No. 920558 2			
HALIBURTON ENERGY SERVICES		ADDRESS		CITY/STATE/ZIP CODE			
SERVICE LOCATION LIBERAL	WELL / TRACT NO. 1-156	WELL NAME TIFFANY JADE	COUNTY/PARISH STANTON	STATE KS	WELL SITE LOCATION 3 26 76 AMOCO		
CONTRACT TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACT NO. 2202106	WELL TYPE 01	WELL CATEGORY 02	WELL DEPTH 880	WELL PERMIT NO. 25-187-20,813		
WELL LOCATION LIBERAL	WELL PERMIT NO. 25-187-20,813		WELL LOCATION 35-295-404				
PRICE REFERENCE	SECONDARY REFERENCE	ACCOUNTING	DESCRIPTION	QTY	UNIT PRICE	TOTAL	
51578			MILEAGE				
750500			SERVICE CHG			800.00	
757000			DEPTH	5575 FT	25	1393.75	
757018			FITTING PLUG (NO)	1	800.00	800.00	
756910			DUMP TRAILER	5575 FT	25	1393.75	
750955			CEMENT (NO)	1 sz	90.00	90.00	
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.		SUB SURFACE SAFETY VALVE WAS <input type="checkbox"/> TWT LOCK <input type="checkbox"/> VALID <input type="checkbox"/> RESEAL <input type="checkbox"/> PULLER <input type="checkbox"/> PUSH		SURVEY PAGES PAGE 1 PAGE 2		PAGE TOTAL 4197.50	
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT (PRINT) AT START OF WORK OR DELIVERY OF GOODS		TYPE OF EQUIPMENT SURV. PRESSURE		WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS TOP OPERATED WITHOUT DELAY AND PERFORMED JOB SATISFACTORILY. ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO		FROM CONTINUATION PAGE(S)	
DATE SIGNED		TIME SIGNED		TYPE CONNECTION		TYPE VALVE	
<input type="checkbox"/> AM. <input type="checkbox"/> P.M.		<input type="checkbox"/> AM. <input type="checkbox"/> P.M.		<input type="checkbox"/> CUSTOMER DOES NOT WISH TO RESPOND		SUB-TOTAL AMOUNT TAXED WILL BE ADDED ON INVOICE 1985.00	
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)		HALIBURTON OPERATOR/ENGINEER		HALIBURTON APPROVAL	
		Joe E		78175 10030		LI 0602	

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 KANSAS CORPORATION COMMISSION
 MAY 09 1996
 CONSERVATION DIVISION
 WICHITA, KS

FORM 70-20 10E 21-92
 HALIBURTON LOGGING SERVICE
 FAX NO. 316-241-0100
 P. 02



JOB LOG HAL-2013-C

DATE: 2-2-96 PAGE NO.

CUSTOMER: *Refrigeration* WELL NO.: 1-35 LEASE: *T. Brown Trade* JOB TYPE: 010 TICKET NO.: 919542

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0430							Called Out
	0510							on location close on bottom
								ORIGINAL
	1230							see log book to circulate
	1300							close to bit
	1400							solids meeting
	1430							hook to cut
	1450							cutting cement
	1510	1/2	160				0-200	Lead Pumped Start To 1
	1515	1/2	35				0	Start down Drilling
	1518						0-450	Start 1200
	1520						450-500	slow Rate
	1525						500-600	Run up then Flood Well

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SEP 16 1998

FROM CONFIDENTIAL

*Thank You For Calling
Halliburton Energy Services
Ray Crick & Co.*

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 09 1996

CONSERVATION DIVISION
WICHITA, KS

CUSTOMER



JOB SUMMARY

HALLIBURTON DIVISION Midcontinent
 HALLIBURTON LOCATION Liberal

BILLED ON TICKET NO. 419860

WELL DATA

FIELD _____ SEC 35 TWP. 29 RNG. 4001 COUNTY ST. TERRY 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 _____

ORIGINAL

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	11	29	1 1/2	KR	1573	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>I 250 T 4 1/2 H</u>		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS	<u>4</u>	
BOTTOM PLUG		
TOP PLUG	<u>1</u>	
HEAD		
PACKER		
OTHER <u>Weld H</u>	<u>1</u>	

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7-2-96</u>	DATE <u>7-96</u>	DATE <u>7-2-96</u>	DATE <u>7-2-96</u>
TIME <u>11:30</u>	TIME <u>9:00</u>	TIME <u>11:50</u>	TIME <u>15:45</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Ron C. 157</u>	<u>420344</u>	
<u>D763</u>		
<u>C. S. Conner</u>	<u>72947</u>	
<u>72564</u>	<u>75466</u>	
<u>Colin H. 154</u>	<u>50737</u>	
<u>09259</u>	<u>75917</u>	
<u>Mike Conner</u>	<u>50104</u>	
<u>69510</u>	<u>50111</u>	

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SEP 16 1998

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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. _____ 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 _____

DEPARTMENT Service
 DESCRIPTION OF JOB _____

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR Ron Crist COPIES REQUESTED 2

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>460</u>	<u>C LT WT</u>		<u>B</u>	<u>2% CC, 1% F10</u>	<u>2.01</u>	<u>13.3</u>
	<u>150</u>	<u>C</u>		<u>A</u>	<u>2% CC, 1% F10</u>	<u>1.52</u>	<u>14.8</u>

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 44.45 REASON 6 1/2" HOLE

PRESLUSH: BBL.-GAL. _____ TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 95
 CEMENT SLURRY: BBL.-GAL. 119 CC, 3570
 TOTAL VOLUME: BBL.-GAL. _____

REMARKS
460-150-150 = 760 (177) 3570 ✓
PT

CUSTOMER Ameco
 LEASE J. Mary Trade
 WELL NO. 175
 JOB TYPE C/O
 DATE _____



TICKET CONTINUATION CUSTOMER COPY

TICKET No. 2-296

HALLIBURTON ENERGY SERVICES

CUSTOMER: Amoco WELL: Ti Pt DATE: 2-2-96 PAGE: 1 OF: 1

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504050	516.00165				Premium Plus	150	SK			12.62	1893.00
504100					Premium Plus Light	460	SK			11.12	5115.50
504050	516.00265					299	SK				
506105	516.00386					11914	LB				
506121	516.00259					24	SK				
507210	890.50071				Flo 1/4" - 60SK	153	LB			1.65	252.45
509406	890.50072				Colson Chrome 2 1/2" - 60SK	17	SK			28.12	478.04
<p>ORIGINAL</p> <p>RELEASED SEP 16 1998 FROM CONFIDENTIAL</p> <p>KANSAS ENVIRONMENTAL CORPORATION COMMISSION MAY 09 1998 CONSERVATION DIVISION WICHITA, KS</p>											
500207					SERVICE CHARGE						
500206					MILEAGE CHARGE						
						CUBIC FEET		644		1.35	
						TON MILES		1,324.61		85	
						TOTAL WEIGHT		57,592		9,694.40	
						LOADED MILES		46		1218.02	

No. B 219717

CONTINUATION TOTAL

9816.70



HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: Amoco Production
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

CUSTOMER COPY

TICKET

No:

919862 - 9

PAGE 1 OF 2

SERVICE LOCATIONS <u>1. Liberal</u>	WELL/PROJECT NO. <u>1-35</u>	LEASE <u>Timony Jade</u>	COUNTY/PARISH <u>Stanton</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>2-2-96</u>	OWNER <u>SAME</u>
<u>2. Hugoton</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Chavonne</u>	RIG NAME/NO.	SHIPPED VIA <u>Yes</u>	DELIVERED TO <u>Loc. 5 Big Row</u>	ORDER NO.
<u>3.</u>	WELL TYPE <u>02</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>010</u>	WELL PERMIT NO.	WELL LOCATION		
<u>4.</u>	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>000-117</u>					MILEAGE	<u>150</u>	<u>mi</u>			<u>2.83</u>	<u>427.50</u>
<u>001-016</u>					Pump Charge	<u>1576</u>	<u>ft</u>	<u>6</u>	<u>hr</u>		<u>1320.00</u>
<u>24A</u>	<u>815-19501</u>				Insert float	<u>8 3/8</u>	<u>in</u>	<u>1</u>	<u>ea</u>		<u>182.00</u>
<u>77</u>	<u>815-19415</u>				Fill up			<u>1</u>	<u>ea</u>		<u>64.00</u>
<u>40</u>	<u>801-11048</u>				Centralizer	<u>5 7/8</u>		<u>4</u>	<u>ea</u>	<u>61.00</u>	<u>214.00</u>
<u>350</u>	<u>290-10802</u>				Weld-A	<u>1</u>	<u>lb</u>				<u>16.75</u>
<u>030-018</u>					Top Plug	<u>8 3/8</u>		<u>1</u>	<u>ea</u>		<u>176.00</u>

ORIGINAL

RELEASED
SEP 16 1998
FROM CONFIDENTIAL

RECEIVED
OPERATION DIVISION
MAY 10 1996
RESERVATION DIVISION
MAY 15 1996

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.

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 _____

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? AGREE UN-DECIDED DIS-AGREE

WE UNDERSTOOD AND MET YOUR NEEDS? AGREE UN-DECIDED DIS-AGREE

OUR SERVICE WAS PERFORMED WITHOUT DELAY? AGREE UN-DECIDED DIS-AGREE

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? AGREE UN-DECIDED DIS-AGREE

ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	<u>2389</u>	<u>25</u>
FROM CONTINUATION PAGE(S)	<u>9816</u>	<u>70</u>
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	<u>72200</u>	<u>45</u>

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) <u>SAM Carmack</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X	HALLIBURTON OPERATOR/ENGINEER <u>Ron Crist</u>	EMP # <u>07633</u>	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.

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.



JOB SUMMARY

HALLIBURTON DIVISION: Wichita
 HALLIBURTON LOCATION: Wichita

BILLED ON TICKET NO. 1171-78

WELL DATA

ORIGINAL

FIELD: SEC 4 TWP: 1 RNG: 4 COUNTY: SEMINOLE 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: 1.5" P.T. Cased SET AT: 2873

BOTTOM HOLE TEMP: _____ PRESSURE: _____

MISC. DATA: _____ TOTAL DEPTH: _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			4"	100'	2135'	
LINER					1-25'	
TUBING						
OPEN HOLE			1 1/2"	100'	2135'	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>4 1/2"</u>	<u>1</u>	<u>N</u>
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE: <u>1-17-98</u>	DATE: <u>1-17-98</u>	DATE: <u>1-17-98</u>	DATE: <u>1-17-98</u>
TIME: <u>11:00</u>	TIME: <u>11:30</u>	TIME: <u>3</u>	TIME: <u></u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. ...</u>	<u>42-13</u>	<u>...</u>
<u>...</u>	<u>32-24</u>	<u>...</u>
<u>...</u>	<u>1136</u>	<u>...</u>
<u>...</u>	<u>200-2</u>	<u>114-3</u>
<u>...</u>	<u>7-25</u>	<u>...</u>

RELEASED

SEP 16 1998

FROM CONFIDENTIAL

MATERIALS

TREAT. FLUID: _____ DENSITY: _____ LB/GAL. API

DISPL. FLUID: _____ DENSITY: _____ LB/GAL. API

PROP. TYPE: _____ SIZE: _____ LB.

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.

BREAKER TYPE: _____ GAL. _____ LB.

BLOCKING AGENT TYPE: _____ GAL. _____ LB.

PERFPAC BALLS TYPE: _____

OTHER: _____

OTHER: _____

DEPARTMENT: ...

DESCRIPTION OF JOB: ...

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN

CUSTOMER REPRESENTATIVE: **X**

HALLIBURTON OPERATOR: ...

COPIES REQUESTED: _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>

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: 3760 REASON: SHUT IN

SUMMARY

VOLUMES

PRESLUSH: BBL. GAL. _____ TYPE: _____

LOAD & BKDN: BBL. GAL. _____ PAD: BBL. GAL. _____

TREATMENT: BBL. GAL. _____ DISPL: BBL. GAL. ...

CEMENT SLURRY: BBL. GAL. 6.0

TOTAL VOLUME: BBL. GAL. _____

REMARKS

...

...

CUSTOMER: ...

LEASE: ...

WELL NO.: ...

JOB TYPE: ...

DATE: ...



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

FIELD COPY

TICKET No. 919992

FORM 1911 R-10

CUSTOMER Anoco	WELL Tiffany Jada 1-35	DATE 2-16-96	PAGE 2	OF 2
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC.	ACCT.	DF							
504-043	516.00272				Premium Cement	250		sls		11.08	2770.00
509-406	800.50812				Calcium Chloride 1%	3		sls		36.75	110.25
508-127	516.00235				EA-2 7%	16		sls		25.90	414.40
507-775	516.00144				Waled-322 6/10%	141		#		7.00	987.00
509-968	516.00315				Salt 15%	1796		#		.15	269.40
507-970	70.15766				D-Air: 1/4%	63		#		3.25	204.75
					ORIGINAL	RELEASED		SEP 16 1998		FROM CONFIDENTIAL	
SERVICE CHARGE					CUBIC FEET		304		1.35		410.40
500-207					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES			
500-306						27380	52	711.88	.95		676.29

No. B 219799

CONTINUATION TOTAL

5842.49



HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: PROD. PROJECT
 ADDRESS: ...
 CITY, STATE, ZIP CODE: ...

CUSTOMER COPY

TICKET

No. **919992 - 7**

PAGE 1 OF 2

1. SERVICE LOCATIONS	WELL/PROJECT NO. <u>1-33</u>	LEASE <u>TIFFANY-JANE</u>	COUNTY/PARISH <u>ST. JOHN</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>2-16-17-76</u>	OWNER <u>SANIE</u>
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>...</u>	RIG NAME/NO. <u>...</u>	SHIPPED VIA	DELIVERED TO <u>...</u>	ORDER NO.	
3. WELL TYPE	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>...</u>			WELL PERMIT NO.	WELL LOCATION <u>33-27-4JN</u>	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
...					MILEAGE	150	Mi.	1	2.85	427.50
...					CR. MILEAGE	120	Mi.	1	1.83	220.00
...					PUMP MILEAGE	2750	FT	1	0.73	2007.50
...	...				LATCH DOWN PLUG	4 1/2	IN	1	EA	157.00
...	...				LATCH N.W. BAFFLE	"	"	"	"	1.50
...	...				PART OILBAR	"	"	"	"	2340.00
...	...				FLUID MOTOR CENTRALIZER	"	"	5	EA	601.00
...	...				CENTRALIZER	"	"	6	EA	45.00
...	...				CENTRAL BASKET	"	"	1	EA	77.00
...	...				LEADS WITH A	1	LB	"	"	16.75

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: 2-19-76 TIME SIGNED: 0500
 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

SURVEY

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	60115	20
FROM CONTINUATION PAGE(S)	5842	47
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	11257	74

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) <u>Sime ...</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X	HALLIBURTON OPERATOR/ENGINEER <u>...</u>	EMP #	HALLIBURTON APPROVAL <u>...</u>
--	--	---	-------	------------------------------------

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:

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