

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

Operator: License # 4742
Name: TEXACO E&P, INC.
Address: P.O. Box 2700
Pampa, TX 79066-2700
City/State/Zip _____

Purchaser: _____
Operator Contact Person: J.M. Barnum
Phone (806) 665-1876
Contractor: Name: H-40
License: 30692
Wellsite Geologist: John Connor **KCC**

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Seal
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

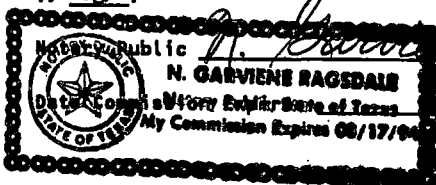
If Workover/Re-Entry: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
Deepening _____ Re-perf. _____ Conv. to Inj/SWD
Plug Back _____ PBTB
Commingled _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) _____ Docket No. _____
4-2-93 4-9-93 4-10-93
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21,305 **2000 ORIGINAL**
County Seward
C. SE/4 Sec. 11 Twp. 31S Rge. 32 **E**
1320 Feet from **S/N** (circle one) Line of Section
1320 Feet from **E/W** (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name M. Collingwood Well # 3
Field Name Wildcat
Producing Formation _____
Elevation: Ground 2836 KB 2847
Total Depth 5800 PBTB _____
Amount of Surface Pipe Set and Cemented at 1711 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
Test depth to _____ w/ _____ sx cmt.
Drilling Fluid Management Plan 6-9-97
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name RELEASED
Lease Name _____ License No. _____
Quarter _____ Sec. _____ Twp. 31S Rng. _____ E/W
County Seward **FROM CONFIDENTIAL**

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 82-3-130, 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 J.M. Barnum
Title Area Manager Date 6/4/93
Subscribed and sworn to before me this 4th day of JUNE 19 93.



N. Garvine Ragsdale
8/17/94

6-9-1993
K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
RECEIVED
KANSAS CORPORATION COMMISSION
Distribution: JUN 9 1993
 KCC SWD/Rep Other
 KGS Plug
CONSERVATION DIVISION
Wichita, Kansas

Operator Name **Texaco E&P, Inc.**

SIDE VIEW
 Lease Name **M. Collingwood** Well # **3**

Sec. **11** Twp. **31S** Rge. **32**
 East
 West

County **Seward**

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

SEE ATTACHED

List All E.Logs Run:
 Microlog
 Compensated Neutron-Litho-Density
 SFL

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8 5/8"	24#	1,711'	Prem. Plus	510	2%CC
					Light		
					Prem. Plus	150	2%CC

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives	
Perforate					
Protect Casing					
Plug Back TD					
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

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SMD or Inj. **P&A'd 4/10/93** Producing Method Flowing Pumping Gas Lift Other (Explain)

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

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

ORIGINAL

M. Collingwood Well No. 3

API # 15-175-21305

Sec. 11-31S-32W

Seward County, Kansas

RELEASED

APR 28 1994

Formation Tops and Datum

(KB Elevation = 2846.5')

FROM CONFIDENTIAL

<u>Formation</u>	<u>Top</u>	<u>Datum</u>
Wellington	2123'	+723.5'
Hutchinson	2213'	+633.5'
Hollenberg	2612'	+234.5'
Herrington	2625'	+221.5'
U. Krider	2636'	+210.5'
L. Krider	2660'	+186.5'
Winfield	2712'	+134.5'
Towanda	2759'	+87.5'
Wreford	2914'	-67.5'
Council Grove	3008'	-161.5'
Topeka	3667'	-820.5'
Heebner	4160'	-1313.5'
Toronto	4177'	-1330.5'
Lansing	4273'	-1426.5'
Marmaton	4897'	-2050.5'
Cherokee	5065'	-2218.5'
Atoka	5182'	-2335.5'
Morrow	5349'	-2502.5'
Chester	5500'	-2653.5'
St. Gen	5598'	-2751.5'
St. Louis	5660'	-2813.5'

RECEIVED
STATE CORPORATION COMMISSION
JUN 9 1993
CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

NO. 305505-2

FORM 1906 R-11

WELL NO.—FARM OR LEASE NAME 3 Collingwood M		COUNTY Seward	STATE Ks	CITY / OFFSHORE LOCATION	DATE 4-3-93
CHARGE TO H-40 Drilling		OWNER Texaco	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input type="checkbox"/>
ADDRESS 251 N. WATER		CONTRACTOR H 40 #1	LOCATION Liberal Ms		CODE 025540
CITY, STATE, ZIP Wichita Kansas 67202		SHIPPED VIA Convoh	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION Hucaton Ms
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO.	DELIVERED TO Loc	LOCATION 3	CODE 025535
TYPE AND PURPOSE OF JOB 010		ORDER NO. B-123172	REFERRAL LOCATION		

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum, in the event it becomes necessary to employ an attorney to enforce collection of said account. Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
000-117				MILEAGE	20	Mi	1	Trk	2.75	55.00
001-016				Pump Charge	1714	FT	8	Hrs		1105.00
030-018				Top Plug RELEASED	1	EA	8	IN		130.00
APR 2 8 1994										
FROM CONFIDENTIAL										

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-123172

7361.12

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X John Schlund
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X [Signature]
CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

Larry J. Smith
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

740 439

SUB TOTAL

8651.12

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

8651.12

FIELD OFFICE



BULK MATERIALS DELIVERY

**AND
TICKET CONTINUATION**

ORIGINAL

FOR INVOICE AND TICKET NO. **309905**

DATE 4-3-93	CUSTOMER ORDER NO.	WELL NO. AND FARM Collingwood M #3	COUNTY Seward	STATE Kansas
CHARGE TO H-40 Drilling		OWNER Texaco	CONTRACTOR H-40	No. B123172
MAILING ADDRESS		DELIVERED FROM Hugoton, Kansas	LOCATION CODE 025535	PREPARED BY Don Phillips
CITY & STATE		DELIVERED TO N/E Liberal, Kansas	TRUCK NO.	RECEIVED BY <i>Smith</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-050	516.00265	2	B	Premium Plus Cement	150	sk			8.95	1,342	50
504-120		2	B	Halliburton light Cement	510	sk			8.05	4,105	50
507-210	890.50071	2	B	Flocele B/ 1/2 W/ 510	128	lb			1.40	179	20
509-408	890.50812	2	B	Calcium Chloride B/ 28 W/ 660	12	sk			28.25	339	00

RELEASED
APR 28 1994

FROM CONFIDENTIAL

		Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES	
		SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET	
500-207	2 B	SERVICE CHARGE			693	1.25
500-306	2 B	Mileage Charge	62,196	20	621.960	.85
No. B 123172		CARRY FORWARD TO INVOICE			SUB-TOTAL	

RECEIVED
OPERATIONS DIVISION
APR 28 1994
Wichita, Kansas

**WORK ORDER CONTRACT
 AND PRE-TREATMENT DATA**

ATTACH TO
 INVOICE & TICKET NO. 305505

DISTRICT Liberal Ki

DATE 4-3-93

TO: **HALLIBURTON SERVICES** YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: H-40 Drilling (CUSTOMER)
 AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 3 LEASE Collingwood M SEC. 11 TWP. 31S RANGE 32W

FIELD Liberal COUNTY Seward STATE Ki OWNED BY Texaco

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE	SET AT						
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE							
INITIAL PROD: OIL BPD, H ₂ O BPD, GAS MCF							
PRESENT PROD: OIL BPD, H ₂ O BPD, GAS MCF							
				RELEASED		SHOTS/FT.	
				APR 2 8 1994			
				FROM CONFIDENTIAL			

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

Cement 8 5/8 Surface

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
 - To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
 - That 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 products, supplies or materials, nor the results of any treatment 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 against any damages arising from the use of such information.
 - That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's 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 or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED [Signature] CUSTOMER
 DATE 4-3-93

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

TIME 12:30 A.M. PM

FIELD OFFICE

WELL DATA

FIELD N Liberal SEC. 111 TWP. 31S RNG. 32W COUNTY Seward STATE Ks

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		N	24	8 5/8	0	1714	
LINER							
TUBING							
OPEN HOLE							SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

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

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 4-3	DATE 4-3	DATE 4-3	DATE 4-3
TIME 0945	TIME 1200	TIME 1500	TIME 1630

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
L. Smith	C4463	Liberal KS
L. Williams	C9591	"
D. McIntyre	D9704	Hugoton KS
X Myers	59018	"

RELEASED

DEPARTMENT Cust
 DESCRIPTION OF JOB Cement 8 5/8 Surface APR 20 1994

FROM CONFIDENTIAL

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X John Schlegel
 HALLIBURTON OPERATOR Smith COPIES REQUESTED

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	510	Prem Plus	HCC	B	270cc 1/2" Floccle	2.10	12.3
	150	Prem Plus		B	270cc	1.32	14.8

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 42' REASON Shoe JT.

PRESLUSH: BBL-GAL. TYPE
 LOAD & BKDN: BBL-GAL. PAD: BBL-GAL.
 TREATMENT: BBL-GAL. DISPL: BBL-GAL. 106 1/2
 CEMENT SLURRY: BBL 226 1/2
 TOTAL VOLUME: BBL 333

REMARKS
See Job Log

CUSTOMER H-40 Drilling
 LEASE Collinswood M
 WELL NO. 3
 JOB TYPE 8 5/8 Surface
 DATE 4-3-93

JOB LOG

WELL NO. 3 LEASE Collingwood M TICKET NO. 305505
 CUSTOMER H-40 Drilling PAGE NO. 1
 JOB TYPE Cement 8^{5/8} Surface DATE 4-3-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0945							Called out - Ready Now
	1200							Wait on Cat
	1215							Start Casings
	1400							Hook on & Circulating
	1445							B.C. on loc -
	1450							Hold Safety Meeting w/John Schlantz + Crew
	1500	6 1/2				250		Pump Cement
	1534		226 1/2					Shut Down - Release Plug
	1536	6				150		Start Displacement
	1556	2	96			500		Slow Rate
	1601		106 1/2			700		Landed Plug
	1603							Shut Manifold In
	1630							Job Complete
								Circulated Cement TO Surface

RELEASED

APR 28 1994

FROM CONFIDENTIAL

Thank you

Larry Smith + Crew



BULK MATERIALS DELIVERY

AND
TICKET CONTINUATION

ORIGINAL

FOR INVOICE AND
TICKET NO. 325566

DATE 04-10-93	CUSTOMER ORDER NO.	WELL NO. AND FARM Collingwood M #3	COUNTY Seward	STATE Kansas
CHARGE TO H-40	OWNER Texaco	CONTRACTOR H-40		No. B 123197
MAILING ADDRESS	DELIVERED FROM Hugoton, Ks	LOCATION CODE 025535	PREPARED BY Mike Gilbert	
CITY & STATE	DELIVERED TO NE/Liberal, Ks	TRUCK NO. 50866-5839	RECEIVED BY	

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
				305 C.F. 40/60 Pozmix Cement							
504-043	516.00272	2	B	Premium Cement	183	sk			8.69	1590	27
506-105	516.00286	2	B	Pozmix "A" 122	9028	lb			.067	604	88
508-121	516.00259	2	B	Halliburton Gel 2%	5	sk					N/C
507-277	516.00259	2	B	Halliburton Gel Added 4%	11	sk			15.50	170	50
RELEASED											
APR 28 1994											
FROM CONFIDENTIAL											
				Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES				
				SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET				
500-207		2	B	SERVICE CHARGE			CU. FEET	327	1.25	408	75
500-306		2	B	Mileage Charge	27,804	20	278.04	STATE COOPERATION COMMISSION	.85	236	33
No. B 123197		CARRY FORWARD TO INVOICE					SUB-TOTAL		APR 28 1993		

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 305566

FORM 1908 R-7

A Division of Halliburton Company

DISTRICT 2. Seal Ks

DATE 4-10-93

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: H-40 (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 3 LEASE Collingwood M SEC. 11 TWP. 315 RANGE 32w

FIELD COUNTY Seward STATE Ks OWNED BY Texaco

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

Table with columns: FORMATION NAME, TYPE, NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Includes rows for CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

RELEASED APR 28 1993

Plug

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

PTA - 70 sks at 5500 - 5300 FT 100 sks - 5300 FT
50 sks - 1715 FT 60 sks - 600 FT - 10 sks surface 10 sks
maine hole 10 sks Rat hole

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice.
b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage.
2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.
c) That 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 products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton.
d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE.
e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton.
f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

RECEIVED STATE COMMISSION APR 28 1993
I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.
SIGNED [Signature] CUSTOMER
DATE 4-10-93
TIME 0830 A.M. P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

FIELD OFFICE

CONSERVATION DIVISION Wichita, Kansas

WELL DATA

FIELD _____ SEC. *11* TWP. *31s* RNG. *32w* COUNTY *Seward* 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 _____

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>4-10</i>	DATE <i>4-10</i>	DATE <i>4-10</i>	DATE <i>4-10</i>
TIME <i>0400</i>	TIME <i>0645</i>	TIME <i>0730</i>	TIME <i>1430</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>R. Hulsey</i>	<i>40048</i>	<i>Liberal</i>
<i>B. Seaborn</i>	<i>75399</i>	<i>"</i>
<i>W. Martin</i>	<i>5889</i>	<i>Hugoton</i>

TOOLS AND ACCESSORIES

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

OTHER: **RELEASED**

OTHER: **APR 28 1994**

OTHER: **FROM CONFIDENTIAL MATERIALS**

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

DISPL. FLUID *Dry Mud* DENSITY *9* LB/GAL-API _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ %

SURFACTANT 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. _____

DEPARTMENT *CMT*

DESCRIPTION OF JOB *PTA*

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE *John Schlegel*

HALLIBURTON OPERATOR *Rick Hulsey*

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<i>305</i>	<i>40/60 P22</i>	<i>H</i>	<i>B</i>	<i>68 601</i>	<i>157</i>	<i>134</i>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL. _____

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

RECEIVED STATE AGRICULTURE COMMISSION

APR 28 1994

CONSERVATION DIVISION Wichita, Kansas

CUSTOMER: *H-40*
LEASE: *Texas*
WELL NO.: *Collingswood M*
JOB TYPE: *PTA*
DATE: *3*

JOB LOG

WELL NO. 3 LEASE Collingwood TICKET NO. 050566
 CUSTOMER Tocco PAGE NO. 1
 JOB TYPE PTA DATE 4-10-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0645							on low - Rig up
	0746	2				250		H ₂ O ahead 5500 FT
	0751	2	10			250		mix cnt 70 sks
	0756		19			100		wash up
	0757		3			500		displace of mud ORIGINAL
	0807	5	73			300		shut down
	0935	2				150		#2 H ₂ O ahead 2800 FT
	0939	3	10			200		mix cnt 100 sks
	0944	5	28			100		wash up
	0945	3	3			300		displace of mud
	0950	5	25			100		shut down
	1031	2				50		#3 H ₂ O ahead 1715 FT
	1034	5	10			100		mix cnt 50 sks
	1038	3	14			100		wash up
	1039	5	8			100		displace w/mud
	1043	5	21			100		shut down
	1120	3				100		#4 H ₂ O ahead 600 FT
	1123		10			100		mix cnt 50 sks
	1129	3	14			50		wash up
	1130	3	3			50		displace
	1131	3	5			50		shut down
	1420		27					FROM CONFIDENTIAL
			27					10 sks surface
			41					" " mouse hole
								" 15 sks Pet hole

RELEASED
 APR 28 1994
 RECEIVED
 STATE CORPORATION COMMISSION
 APR 28 1993
 CONSERVATION DIVISION
 Wichita, Kansas