

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

Operator: License # 4689

Name: THOMAS C. LUTZ

Address P.O. DRAWER 0940

City/State/Zip FAYETTEVILLE, AR 72701

Purchaser: Koch Oil Wichita, Ks

Operator Contact Person: H.L. MADDOX

Phone (316) 653-4178

Contractor: Name: RED TIGER DRILLING CO.

License: 5302

Wellsite Geologist: Ron Nelson

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD SIOW Temp. Abd.
- Gas ENHR SIGW
- Dry Other (Core, MSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: APR 2

Comp. Date _____ Old Total Depth _____

- Deepening Re-perf. Conv. to Inj/SPB
- Plug Back PBTB
- Commingled Docket No. _____
- Dual Completion Docket No. _____
- Other (SWD or Inj?) Docket No. _____

11-10-91 11-20-91 12-20-91
 Spud Date Date Reached TD Completion Date

API NO. 15- 135-23,621-000 **ORIGINAL**

County NESS

SE4 - SW - NE4 - Sec. 24 Twp. 16S Rge. 26 X W

2970' Feet from SW (circle one) Line of Section

1650' Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name MCKINNIS Well # #3-A

Field Name ARNOLD

Producing Formation Mississippi

Elevation: Ground 2594 KB 2599

Total Depth 4581' PBTB _____

Amount of Surface Pipe Set and Cemented at 258' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 4580 to surface Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan
(_____ must be collected from the Reserve Pit)

RECEIVED
KANSAS CORPORATION COMMISSION

Chloride content EST-6500 ppm Fluid volume 800 bbls

Sealing method used Let evaporate/Backfill

Location of fluid disposal if hauled offsite: _____

CONSERVATION DIVISION
WICHITA, KS

Operator Name N/A

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 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.

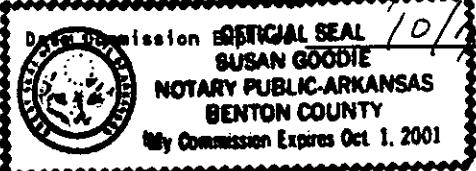
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Handwritten Signature]

Title Owner Operator Date 3-26-92

Subscribed and sworn to before me this 30 day of March 19 92

Notary Public Susan Goodie



K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

KCC

KGS

Distribution: SWD-Rep NGPA

STATE OF KANSAS

RECEIVED

MAY 29 1992

(Specify)

CONSERVATION DIVISION
Wichita, Kansas

Operator Name THOMAS C. LUTZ

Lease Name MCKINNIS

Well # #3-A

Sec. 24 Twp. 16 Rge. 26

East
 West

County NESS

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.)

List All E.Logs Run:

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
ANHYDRITE	1986	=613
Base "	2016	+583
Heebner	3872	1273
Toronto	3890	1291
LKC	3914	1315
BKC	4214	1615
Marmaton		
Pawnee	4352	1753
Fort Scott	4421	1822
Cherekee shale	4446	1847
Mississippi Dolo	4514	1915

CASING RECORD

New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12 1/4"	8 5/8"	20#	258'	60-40POZ	160	2%GEL, 3%CC
PRODUCTION	7 7/8"	5 1/2"	14	4580'	bottom stage 60-40POZ top stage 85-35POZ	200	2%GEL, 18% SALT
						300	10%GEL, 1/4# FLOCEL

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" 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	4528-4531 expendable gun		

TUBING RECORD Size 2-3/8 Set At _____ Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 12-20-92 Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gravity
	4	2					

Disposition of Gas:
 Vented Sold Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION
 Open Hole Perf. Dually Comp.
 Other (Specify) _____

STATE OF ARKANSAS
COMMISSION ON MISSISSIPPI RIVER DEVELOPMENT
RECEIVED
OFFICE OF THE COMMISSIONER
MONTICELLO, ARKANSAS
NOV 20 1992
RENTON COUNTY
RENTON COUNTY
RENTON COUNTY

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

Name McKINNIS #3 Test No. 1 Date 11/20/91
Company THOMAS C. LUTZ Zone Tested MISSISSIPPI
Address P.O. DRAWER 0940 FAYETTEVILLE AR Elevation 2599
Rep./Geo. MR RON NELSON Cont. RED TIGER RIG #5 Est. Ft. of Pay 16
Location: Sec. 24 Twp. 16S Rge. 26W Co. NESS State KS

Interval Tested 4517-4541 Drill Pipe Size 4.5 XH
Hour Length 24 Wt. Pipe I.D. - 2.7 Ft. Run 606
Packer Depth 4517 Drill Collar - 2.25 Ft. Run 177
Bottom Packer Depth 4541
Total Depth 4581

Mud Wt. 9.5 lb / gal. Viscosity 50 Filtrate 8.4

Well Open @ 1:48 AM Initial Blow OFF BOTTOM IN 8 MINUTES 45 SECONDS

Final Blow OFF BOTTOM IN 16 MINUTES - 1/2" BLOW ON SHUT IN

Recovery - Total Feet 781 Flush Tool? NO

192 Feet of GAS IN PIPE

721 Feet of CLEAN GASSY OIL - 2% GAS / 98% OIL

60 Feet of GASSY MUD CUT OIL - 2% GAS / 88% OIL / 10% MUD

Feet of _____

Feet of 118 °F Gravity 40 °API @ 70 °F Corrected Gravity 39 °API

@ _____ °F Chlorides _____ ppm Recovery Chlorides 4000 ppm System

Initial Hydrostatic Mud 2370.9 PSI AK1 Recorder No. 13308 Range 4700

First Initial Flow Pressure 65.4 PSI @ (depth) 4520 w/Clock No. 27573

First Final Flow Pressure 142.6 PSI AK1 Recorder No. 2023 Range 4000

Initial Shut-in Pressure 718.9 PSI @ (depth) 4536 w/Clock No. 8376

Second Initial Flow Pressure 154.7 PSI AK1 Recorder No. 10248 Range 4400

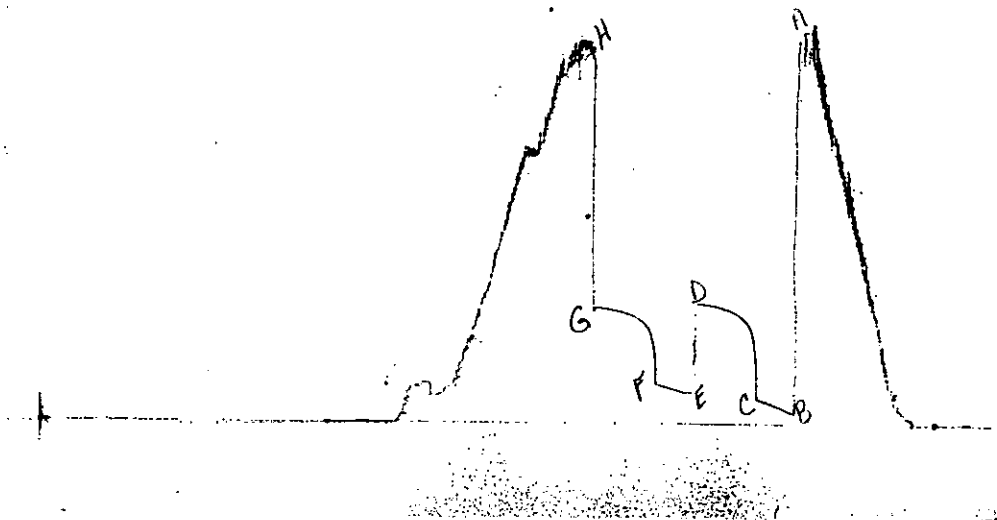
Second Final Flow Pressure 231.6 PSI @ (depth) 4576 w/Clock No. 25810

Final Shut-in Pressure 710.5 PSI Initial Opening 30 Final Flow 30

Final Hydrostatic Mud 2310.5 PSI Initial Shut-in 45 Final Shut-in 45

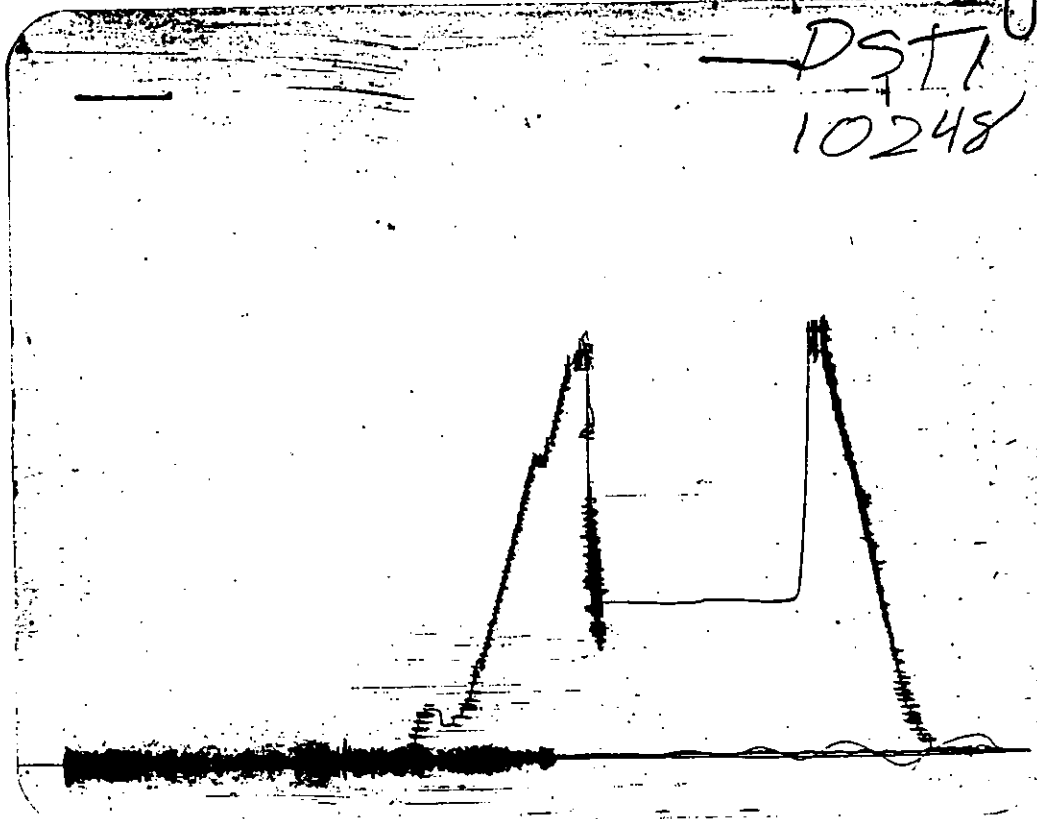
Representative MARK HERSKOWITZ TOTAL PRICE \$ 950

DST
1958



POINT This is an actual photograph of recorder chart PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2365	2370.9
(B) FIRST INITIAL FLOW PRESSURE	60	65.4
(C) FIRST FINAL FLOW PRESSURE	133	142.6
(D) INITIAL CLOSED-IN PRESSURE	713	718.9
(E) SECOND INITIAL FLOW PRESSURE	150	154.7
(F) SECOND FINAL FLOW PRESSURE	228	231.6
(G) FINAL CLOSED-IN PRESSURE	701	710.5
(H) FINAL HYDROSTATIC MUD	2306	2310.5



POINT

This is an actual photograph of recorder chart
PRESSURE

FIELD
READING

OFFICE
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

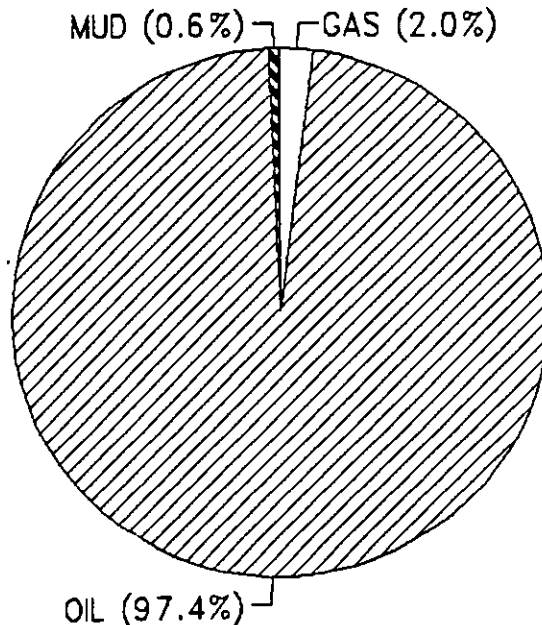
CALCULATED RECOVERY ANALYSIS

DST # 1 TICKET # 4282

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1			0		0		0		0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
WEIGHT 1	604	2	12.08	98	591.92	0	0	0	0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
DRILL 1	117	2	2.34	98	114.66	0	0	0	0
COLLAR 2	60	2	1.2	88	52.8	0	0	10	6
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	781		15.62		759.38		0		6

HRS OPEN BBL/DAY

BBL OIL= 4.962319 * 1.25 95.2765
 BBL WATER 0 * 0
 BBL MUD= 0.02934
 BBL GAS =0.101871



TRIOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Test Ticket

No. 4282

Well Name & No. MCKINNIS 3 Test No. 1 Date 11-20-91
 Company THOMAS C LUTZ Lutz Zone Tested MISS
 Address PO. DRAWER 0940 Elevation 2599
 Co. Rep./Geo. _____ Cont. RED TIGER Big 5 Est. Ft. of Pay 16
 Location: Sec. 24 Twp. 14S Rge. 2CN Co. NESS State KS
 No. of Copies _____ Distribution Sheet _____ Yes _____ No Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4517 - 4512 Drill Pipe Size 4 1/2 X H
 Anchor Length 24A 4512 Top Choke - 1" _____ Bottom Choke - 3/4" _____
 Top Packer Depth 4517 Hole Size - 7 7/8" _____ Rubber Size - 6 3/4" _____
 Bottom Packer Depth 40T.P. 454A Wt. Pipe I.D. - 2.7 Ft. Run 606
 Total Depth 4581 Drill Collar - 2.25 Ft. Run 177
 Mud Wt. 9.5 LCM 0 lb/gal. Viscosity 50 Filtrate 8.4
 Tool Open @ 1:48 AM Initial Blow OFF BOTTOM IN 8 MIN 45 SEC

Final Blow OFF BOTTOM IN 16 MIN
1/2" Blow on Shut-in

Recovery - Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>721</u>	<u>192</u>	<input checked="" type="checkbox"/>
Rec. <u>721</u> Feet Of <u>C. GAS OIL</u> 2% gas <u>98</u> %oil _____ %water _____ %mud _____		
Rec. <u>60</u> Feet Of <u>GAS MUD OIL</u> 2% gas <u>88</u> %oil _____ %water <u>10</u> %mud _____		
Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____		
Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____		
Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____		

BHT 118 °F Gravity 40 °API @ 70 °F Corrected Gravity 39 °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 2365 PSI Ak1 Recorder No. 13308 Range 4700
 (B) First Initial Flow Pressure 60 PSI @ (depth) 4520 w/Clock No. 27573
 (C) First Final Flow Pressure 133 PSI AK1 Recorder No. 2023 Range 4000
 (D) Initial Shut-in Pressure 713 PSI @ (depth) 4534 w/Clock No. 8376
 (E) Second Initial Flow Pressure 150 PSI AK1 Recorder No. 10248 Range 4400
 (F) Second Final Flow Pressure 228 PSI @ (depth) 4574 w/Clock No. 25810
 (G) Final Shut-in Pressure 701 PSI Initial Opening 30 Test 550.00
 (H) Final Hydrostatic Mud 2306 PSI Initial Shut-in 45 Jars _____

TRIOBITE TESTING COMPANY SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUBSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow 30 Safety Joint _____
 Final Shut-in 45 Straddle 3500
 Circ. Sub 3500

Approved By _____
 Our Representative Arthur Mark Herdweg Other _____

TOTAL PRICE \$ 1100



HALLIBURTON SERVICES

A Halliburton Company

INVOICE

INVOICE NO.	DATE
194896	11/21/1991

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
MCKINNIS 3	NESS	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
HAYS	RED TIGER	CEMENT PRODUCTION CASING	11/21/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
527734	WALTER ODEN JR		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	26204

THOMAS C. LUTZ
P. O. DRAWER 0940
FAYETTEVILLE, AR 72702

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	27	MI	2.60	70.20
		1	UNT		
007-013	MULT STAGE CEMENTING-1ST STAGE	4580	FT	1,365.00	1,365.00
001-016		1	UNT		
007-161	MULT STAGE CEMENTING-ADD STAGE	1	STG	1,025.00	1,025.00
		1	UNT		
26	INSERT VALVE F. S. - 5 1/2" 8RD	1	EA	245.00	245.00
047.6318					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	30.00	30.00
815.1931					
71	MULT STAGE CMTR-5-1/2 8RD	1	EA	2,450.00	2,450.00
813.80300					
75	PLUG SET - FREE FALL - 2-STAGE	1	EA	439.00	439.00
813.16510					
40	CENTRALIZER 5-1/2" X 7 7/8"	8	EA	44.00	352.00
807.93022					
320	CEMENT BASKET 5 1/2"	2	EA	90.00	180.00
800.8883					
213-009	MUD FLUSH	1000	GAL	.55	550.00
504-308	STANDARD CEMENT	195	SK	5.45	1,062.75
506-105	POZMIX A	105	SK	3.40	357.00
506-121	HALLIBURTON-GEL 2%	5	SK	.00	N/C
507-277	HALLIBURTON-GEL DENTONITE	21	SK	14.75	309.75
504-308	STANDARD CEMENT	120	SK	5.45	654.00
506-105	POZMIX A	80	SK	3.40	272.00
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C
509-968	SALT	1724	LB	.10	172.40
507-153	CFR-3	84	LB	4.10	344.40
507-210	FLOCELE	125	LB	1.30	162.50
500-207	BULK SERVICE CHARGE	532	CFM	1.15	611.80
500-306	MILEAGE CMTG MAT DEL OR RETURN	649.796	TMJ	.80	519.84

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

RECEIVED

TERMS 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.

STATE CORPORATION COMMISSION

MAY 29 1992



INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
194096	11/21/1991

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
MCKINNIS 3	NESS	KS	GAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
HAYS	RED TIGER	CEMENT PRODUCTION CASING	11/21/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
527734	WALTER ODEN JR		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	26204

THOMAS C. LUTZ
P. O. DRAWER 0940
FAYETTEVILLE, AR 72702

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE/REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	INVOICE SUBTOTAL				11,172.64
	DISCOUNT-(BID)				2,234.52-
	INVOICE BID AMOUNT				8,938.12
	*-KANSAS STATE SALES TAX				271.67
	*-HAYS CITY SALES TAX				31.98
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					

RECEIVED
STATE CORPORATION COMMISSION
MAY 29 1992
PAGE
CONSERVATION DIVISION
Wichita, Kansas

TERMS 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.



2073 Cont. of BMD FE 34230
FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME #3 McKinnis	COUNTY Ness	STATE KS	CITY / OFFSHORE LOCATION	DATE 11-21-91
CHARGE TO Tomasz Gutz	OWNER Same	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS P.O. Drawer 0940	CONTRACTOR Red Tiger	LOCATION 1 Ness City, KS		CODE 25553
CITY, STATE, ZIP Fayetteville, Ark, 72702	SHIPPED VIA Ness City	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2 Hays, KS	CODE 25525
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO.	DELIVERED TO N/E of Utica, K	LOCATION 3
TYPE AND PURPOSE OF JOB 035		B-942066	ORDER NO.	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		
600-117		1		MILEAGE 51145	27	mi			260	7020
007-013	001-016	1		Pump Service	458	hr			136500	136500
007-161		1		Additional stage	1	ea			102500	102500
26	847.6318	1		Insert Float shoe	1	ea	5 1/2 in		24500	24500
27	815.19311	1		Fill up Assy	1	ea	5 1/2 in		3000	3000
71	813.80300	1		Multiple Stage Cementer	1	ea	5 1/2 in		215000	215000
75	813.16510	1		Plung Set	1	ea	5 1/2 in		45900	45900
40	807.93022	1		Centralizers	8	ea	5 1/2 in		4400	35200
320	800.8883	1		Cement Basket	2	ea	5 1/2 in		9000	18000
213-09		1		Mud Flush	1000	gal			5500	55000

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-942066 4466 44

WAS JOB SATISFACTORILY COMPLETED? _____
 WAS OPERATION OF EQUIPMENT SATISFACTORY? _____
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____
 X CUSTOMER OR HIS AGENT (PLEASE PRINT)
 J. P. ...
 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.
 [Signature]
 HALLIBURTON OPERATOR
 HALLIBURTON APPROVAL [Signature]
 FIELD OFFICE

1117264
 SUB TOTAL
 STATE COMMISSION TAXES WILL BE ADDED ON INVOICE.
 MAY 24 1992
 CONSERVATION DIVISION
 Wichita, Kansas



HALLIBURTON SERVICES
 Denver, Oklahoma 7200
 A Division of Halliburton Company

**BULK MATERIALS DELIVERY
 AND
 TICKET CONTINUATION**

FOR INVOICE AND
 TICKET NO. 191841

DATE 11-21-91	CUSTOMER ORDER NO.	WELL NO. AND FARM McKinnis #3	COUNTY Ness	STATE Kansas
CHARGE TO Tom Lutz		OWNER Same	CONTRACTOR Red Tiger Drig.	No. B942066
MAILING ADDRESS		DELIVERED FROM Hays, Ks	LOCATION CODE 25525	PREPARED BY Kuhn
CITY & STATE		DELIVERED TO N/E Utica, Ks	TRUCK NO. 3703 51252	RECEIVED BY <i>[Signature]</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE L D	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
				QTY.	MEAS.	QTY.	MEAS.		
			300Cu. Ft. Pozmix Cement10%Gel						
504-308	516.00261	2B	Standard Cement	195				5.45	1,062 75
506-105	516.00286	2B	Pozmix 'A'	103				3.40	357 00
506-121	516.00259	2B	5sk Halliburton Gel@2%						n/c
507-277	516.00259	2B	Halliburton Gel@8%	21				14.75	309 75
			290Cu. Ft. Pozmix Cement2%Gel						
504-308	516.00261	2B	Standard Cement	120				5.45	654 00
506-105	516.00286	2B	Pozmix 'A'	80				3.40	272 00
506-121	516.00259	2B	3sk Halliburton Gel@2%						n/c
509-968	516.00158	2B	Salt Blended	1724	lb			.10	172 40
507-153	516.00161	2B	CFR-3 Blended	84	lb			4.10	344 840
507-210	890.50071	2B	Flocele B lended	125	lb			1.30	162 50

			Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES			
			SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET		
500-207		2B	SERVICE CHARGE				532.	1.15	611 80
500-306		2B	Mileage Charge	48,133	27		649.796	.80	519 84
				TOTAL WEIGHT	LOADED MILES	TON MILES			

No. B 942066	CARRY FORWARD TO INVOICE	SUB-TOTAL	4,466 64
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FORM 1911-R6 REV. 8-85

DIVISION OFFICE

STATE CORPORATION COMMISSION
 RECEIVED
 MAY 29 1992
 WICHITA, KANSAS

WORK ORDER CONTRACT
AND PRE-TREATMENT DATA

FORM 1908 R-7

ATTACH TO INVOICE & TICKET NO. 194896

DISTRICT Hays, Ks.

DATE 11-21-91

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Tom Lutz (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. # 3 LEASE McKinnis SEC 24 TWP. 16 RANGE 26
FIELD _____ COUNTY Ness STATE Ks. OWNED BY Same

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.
CASING		<u>N</u>	<u>14.0</u>	<u>5 1/2</u>	<u>KB</u>	<u>1580</u>	
LINER							
TUBING							
OPEN HOLE					<u>4580</u>	<u>4581</u>	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Two-stage long string Bottom 500gal Mud flush, 200sk, 60/40 per mix 22gal 187a salt, 2 CFR 3, 1/4" floater pm sh Top stage 500gal Mud flush, 300 sks 65/35 per mix 102gal 1/4" Floater per sk

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. 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.
 - 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. The term "well owner" shall include working and royalty interest owners.
 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.
- 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.
- 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. 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.
 - 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. 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.
 - 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. 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.
 - 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.

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

SIGNED Tom Lutz CUSTOMER

DATE 11-21-91

TIME 1:00 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

RECEIVED CORPORATION COMMISSION

MAY 29 1992

CONSERVATION DIVISION
Wichita, Kansas

WELL DATA
FIELD _____ SEC. **24** TWP. **16** RNG. **26** COUNTY **Ness** 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 **D.V.** SET AT **1980**
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH **4581**

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	14	5.5	KB	4580	
LINER						
TUBING						
OPEN HOLE				4580	4581	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE Insert	1	Howco
GUIDE SHOE		
CENTRALIZERS S-4	8	Howco
BOTTOM PLUG		
TOB PLUG set	1	Howco
HEAD		
PACKED DV Tool	1	Howco
OTHER Cut Bolt	2	Howco

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 11-21-91	DATE 11-21-91	DATE 11-21-91	DATE 11-21-91
TIME 08:00	TIME 11:30	TIME 14:00	TIME 19:00

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
T. Fuchs	51115	
K. Carter	Com 6	Ness City, Ks
A. Ash	Bulk	Hays, Ks
M. Har	Bulk	Hays, Ks

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. _____
PERFFAC BALLS TYPE _____ QTY. _____
OTHER _____
OTHER _____

DEPARTMENT **Cont**
DESCRIPTION OF JOB **Two-stage Long string**
JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE **X. W. ...**
HALLIBURTON OPERATOR **J. ...** COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF BAGS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	200	60/40	Pozmix	B	27 gal 18% salt 1/2% CR3, 4" thick	1.27	14.3
2	200	65/35	Pozmix	B	102 gal 4" Electric	2.43	16.87

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 _____ REASON **shoe joint**

SUMMARY

PRESLUSH: BBL-GAL _____ TYPE _____
LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____
TREATMENT: BBL-GAL _____ DISPL. BBL-GAL **111**
CEMENT SLURRY: BBL-GAL _____
TOTAL VOLUME: BBL-GAL _____

REMARKS

RECEIVED
STATE CORPORATION COMMISSION
MAY 29 1992
CONSERVATION DIVISION
Wichita, Kansas

CUSTOMER NO. **103 LUTZ**
LEASE NO. **MCR 1015**
WELL NO. **#3**
JOB TYPE **Two-stage Long string**

JOB LOG

WELL NO. # 3

LEASE McKinnis

TICKET NO. 191896

CUSTOMER Tom Lutz

PAGE NO. #1

JOB TYPE Two-stage - long string

DATE 11-21-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	08:31							Called out
	12:00							On location 1/4" log - 0.8
	14:30							Start case + float assembly
								Insert float shoe, 8 centralizers
								on 1st stage, 5 stage, 4th, 11th, 15th, 62'
								2nd Backbit on 16" 62'
								D.V. Tail on 63' at 1980'
	16:00							Case on bottom - drop ball
	16:10							Hook up -
	16:20							Started circulating
	16:40							Done circulating
	16:42	4	12				200	12 bbls mud flush
	16:45						200	Start mixing cement 200 st. 60/100 psz
	16:52	6	46				0	Done mixing
	16:53							Released plug & washed out lines
	16:54						0	Start displ.
								62 bbls water 49 bbls mud
	17:11	6 1/2	111			700	700	Done w/ displ.
	17:11					1300	1300	Loaded plug at 1300 psz
	17:12							Released pressure - float ball
	17:13							Dropped bomb
	17:30	4	1				1350	Opened D.V.
	17:33	6	20				200	Pump 20 bbl drill. mud
	17:35	6	12				300	12 bbls mud flush
	17:49							Started mixing cement 300 st. 65/100
	18:00	6 1/2	131				200	Done mixing
	18:02							Released plug
	18:04						0	Start w/ displ.
	18:14	5	49				600	Done w/ displ.
	18:15						1500	Loaded plug at 1500 psz
							0	Released pressure - D.V. closed
								Case did circulate 45 st.
								Plugged at hole w/ 15 st.
								Reached top T. Fucks - P1463
	19:00							Job completed K Center - D559
								Thank you
								J.D.

51145-PT
STATE

MAY 24 1992

FIELD OFFICE

Conservation Division
Wichita, Kansas

DISTRICT COPY



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
194920	11/10/1991

WELL/LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
MCKINNIS 3	NESS	KS	GAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
NESS CITY	RED TIGER	CEMENT SURFACE CASING	11/10/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
527734	WALTER J. ODEN, JR.		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	25510

THOMAS C. LUTZ
P. O. DRAWER 0940
FAYETTEVILLE, AR 72702

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	26	MI	2.60	67.60
001-016	CEMENTING CASING	258	FT	475.00	475.00
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	8 5/8	IN	90.00	90.00
504-308	STANDARD CEMENT	96	SK	5.45	523.20
506-105	POZMIX A	64	SK	3.40	217.60
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	4	SK	26.25	105.00
500-207	BULK SERVICE CHARGE	168	CPT	1.15	193.20
500-306	MILEAGE CMTG MAT DEL OR RETURN	186.940	TMI	.80	149.55
INVOICE SUBTOTAL					1,821.15
DISCOUNT-(BID)					327.77-
INVOICE BID AMOUNT					1,493.38
*-KANSAS STATE SALES TAX					41.41
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$1,534.79

TERMS 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.

HALLIBURTON SERVICES

TICKET NO. 194920-0

A Division of Halliburton Company

FORM 1906 R-11

1870 Cms d B M 34230

WELL NO. - FARM OR LEASE NAME 3 Mc Minns	COUNTY Ness	STATE Ks.	CITY / OFFSHORE LOCATION	DATE 11-10-91
CHARGE TO Tom Lutz	OWNER Same	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS P.O. Drawer 0940	CONTRACTOR Red Tiger	LOCATION 1 Ness City, Ks		CODE 25553
CITY, STATE, ZIP Fayetteville, AR 72702	SHIPPED VIA 3650	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2 Hays, Ks	CODE 25535
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO.	DELIVERED TO Location	LOCATION 3
TYPE AND PURPOSE OF JOB 010	B-942053	ORDER NO.	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		1		MILEAGE 3550	26	mil			2.60	67.80
001-016		1		Pump Service	258	Ft				475.00
030-503		1		LA-11 Top Plug	1	pc	8 1/2	in		90.00

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-942053

1188 35

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X Walter S. Odeh
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X _____
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.

Roger B. Seaberts
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

FIELD OFFICE

SUB TOTAL

1821 15

RECEIVED
STATE COMMISSION DIVISION

MAY 27 1992

CONSERVATION DIVISION
Wichita, Kansas

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

FORM 1905-R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 194926

DISTRICT Hays, Ks

DATE 11-10-91

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

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

WELL NO. 3 LEASE Memphis SEC. 24 TWP. 16 RANGE 26

FIELD _____ COUNTY Ness STATE Ks OWNED BY Some

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH 261 MUD WEIGHT _____
BORE HOLE _____
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF _____
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING			8 7/8	KB	258	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

C.M.T. Surface Csg. with 160sps, 60-40 lbs 2% Gd, 3%CC

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. 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.
- 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. The term "well owner" shall include working and royalty interest owners.
 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.

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.

- 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. 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.
- 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. 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.
- 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. 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.
- 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.

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

SIGNED Walter J. Odame CUSTOMER

DATE 11-10-91

TIME 1330 (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



JOB SUMMARY

HALLIBURTON DIVISION
 OKla. hanna City, OK.
 New City, R.

BILLED ON TICKET NO. 194920

WELL DATA

FIELD _____ SEC 24 TWP 16 RNG 26 COUNTY Ness STATE R.

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 261

NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		8 5/8	16	258	
LINER					
TUBING					
OPEN HOLE					SHOTS/FT.
PERFORATIONS					
PERFORATIONS					
PERFORATIONS					

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-10-91</u>	DATE <u>11-10-91</u>	DATE <u>11-10-91</u>	DATE <u>11-10-91</u>
TIME <u>11:30</u>	TIME <u>1245</u>	TIME <u>1340</u>	TIME <u>1430</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>LA-11</u>	<u>8 5/8"</u>	<u>1</u>
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. Kogelich</u>	<u>Combs</u>	<u>Ness City, Ok.</u>
<u>B. Coleman</u>	<u>3580</u>	
<u>M. Childers</u>	<u>BAB</u>	<u>Hopk.</u>
	<u>0413</u>	

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 Co. 21

DESCRIPTION OF JOB Co. 21 Surface Pipe

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X. W. [Signature]

HALLIBURTON OPERATOR Roy P. [Signature] COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK BACKED	ADDITIVES	YIELD CU.FT./BK.	MIXED LBB./GAL.
	<u>160</u>	<u>60-40 Poz</u>	<u>B</u>	<u>24% Gd. 3% CC</u>		<u>1.78</u>	<u>14.36</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 15 REASON Required

PRESLUSH: BBL-GAL. _____ TYPE _____

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

TREATMENT: BBL-GAL. _____ DISPL: 91 GAL. 15.6

CEMENT SLURRY: 0 GAL. 36.4

TOTAL VOLUME: BBL-GAL. _____

REMARKS See Chart & Job Log
Thank You

CUSTOMER: Tom Lutz
 LEASE: McRims
 WELL NO: 1
 JOB TYPE: Surface
 DATE: 11-10-91

ORIGINAL



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

HALLIBURTON SERVICES

ORIGINAL

INVOICE

A Halliburton Company

INVOICE NO.	DATE
194920	11/10/1991

WELL/LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
MCKINNIS 3		NESS		KS	SAME
SERVICE LOCATION	CONTRACTOR		JOB PURPOSE		TICKET DATE
NESS CITY	RED TIGER		CEMENT SURFACE CASING		11/10/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
527734	WALTER J. ODEN, JR.			COMPANY TRUCK	25510

THOMAS C. LUTZ
P. O. DRAWER 0940
FAYETTEVILLE, AR 72702

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE/REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	26	MI	2.60	67.60
		1	UNT		
001-016	CEMENTING CASING	258	FT	475.00	475.00
		1	UNT		
030-503	CMTG PLUG LA-11,CP-1,CP-3, TOP	8 5/8	IN	90.00	90.00
		1	EA		
504-308	STANDARD CEMENT	96	SK	5.45	523.20
506-105	POZMIX A	64	SK	3.40	217.60
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	4	SK	26.25	105.00
500-207	BULK SERVICE CHARGE	168	CFT	1.15	193.20
500-306	MILEAGE CMTG MAT DEL OR RETURN	186.940	TMI	.80	149.55
INVOICE SUBTOTAL					1,821.15
DISCOUNT-(BID)					327.77-
INVOICE BID AMOUNT					1,493.38
*- KANSAS STATE SALES TAX					41.41
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					\$1,534.79

12-19-91
CR. # 11290
\$ 12,668.68

RECEIVED
STATE CORPORATION COMMISSION
APR 07 1992
CONSERVATION DIVISION
Wichita, Kansas

TERMS 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.

ORIGINAL



REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046

HALLIBURTON SERVICES ORIGINAL

INVOICE

A Halliburton Company

INVOICE NO.	DATE
194896	11/21/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
MCKINNIS 3		NESS		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
HAYS		RED TIGER		CEMENT PRODUCTION CASING		11/21/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
527734	WALTER ODEN JR			COMPANY TRUCK	26204	

RECEIVED KANSAS CORPORATION COMMISSION

THOMAS C. LUTZ P. O. DRAWER 0940 FAYETTEVILLE, AR 72702

APR 2 1992

DIRECT CORRESPONDENCE TO: FIRST OKLAHOMA TOWER 210 WEST PARK AVENUE SUITE 2050 OKLAHOMA CITY, OK 73102-5601

CONSERVATION DIVISION WICHITA KS

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	27	MI	2.60	70.20
		1	UNT		
007-013	MULT STAGE CEMENTING-1ST STAGE	4580	FT	1,365.00	1,365.00
001-016		1	UNT		
007-161	MULT STAGE CEMENTING-ADD STAGE	1	STG	1,025.00	1,025.00
		1	UNT		
26	INSERT VALVE F. S.- 5 1/2" 8RD	1	EA	245.00	245.00 *
847.6318					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	30.00	30.00 *
815.19311					
71	MULT STAGE CMTR-5-1/2 8RD	1	EA	2,450.00	2,450.00 *
813.80300					
75	PLUG SET - FREE FALL - 2-STAGE	1	EA	439.00	439.00 *
813.16510					
40	CENTRALIZER 5-1/2" X 7 7/8"	8	EA	44.00	352.00 *
807.93022					
320	CEMENT BASKET 5 1/2"	2	EA	90.00	180.00 *
800.8883					
213-009	MUD FLUSH	1000	GAL	.55	550.00
504-308	STANDARD CEMENT	195	SK	5.45	1,062.75 *
506-105	POZMIX A	105	SK	3.40	357.00 *
506-121	HALLIBURTON-GEL 2%	5	SK	.00	N/C *
507-277	HALLIBURTON-GEL BENTONITE	21	SK	14.75	309.75 *
504-308	STANDARD CEMENT	120	SK	5.45	654.00 *
506-105	POZMIX A	80	SK	3.40	272.00 *
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C *
509-968	SALT	1724	LB	.10	172.40
507-153	CFR-3	84	LB	4.10	344.40 *
507-210	FLOCELE	125	LB	1.30	162.50 *
500-207	BULK SERVICE CHARGE	532	CFT	1.15	611.80 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	649.796	TMI	.80	519.84 *

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

TERMS 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.

ORIGINAL



HALLIBURTON SERVICES

ORIGINAL

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

A Halliburton Company

INVOICE NO.	DATE
194896	11/21/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
MCKINNIS 3		NESS		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
HAYS		RED TIGER		CEMENT PRODUCTION CASING		11/21/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER		SHIPPED VIA	FILE NO.
527734	WALTER ODEN JR				COMPANY TRUCK	26204

RECEIVED

KANSAS CORPORATION COMMISSION

THOMAS C. LUTZ
P. O. DRAWER 0940
FAYETTEVILLE, AR 72702

APR 2 1992

CONSERVATION DIVISION
WICHITA, KS

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	INVOICE SUBTOTAL				11,172.64
	DISCOUNT-(BID)				2,234.52-
	INVOICE BID AMOUNT				8,938.12
	*-KANSAS STATE SALES TAX				271.67
	*-HAYS CITY SALES TAX				31.98
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$9,241.77

TERMS 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.