

ORIGINAL
AMENDED REPORT

15-075-20421-0000

SIDE ONE

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

Operator: License # 04680

Name: American Exploration Co.

Address 2100 NCNR Center
Houston, Texas 77002

City/State/Zip _____

Purchaser: KN Energy

Operator Contact Person: Marty B. McClanahan

Phone (713) 220-8251

Contractor: Name: Cheyenne Drilling Co.

License: 05382

Wellsite Geologist: Gary Oliver

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.
 Gas SI Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If **OWNO**: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

9/21/89 9/24/89 2/09/90

Spud Date 9/21/89 Date Reached TD 9/24/89 Completion Date 2/09/90

API NO. 15- 075-20,421-0000

County Hamilton

C NE/4 Sec. 21S Twp. 41 Rge. X East West

3960 Ft. North from Southeast Corner of Section

1320 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

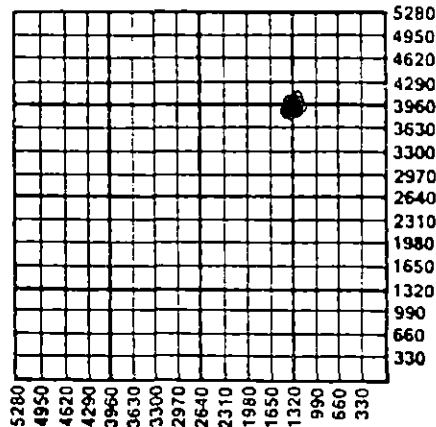
Lease Name HCU Well # 1111-B

Field Name Bradshaw

Producing Formation Winfield

Elevation: Ground 3622 KB _____

Total Depth 2790 PBTD 2770



Amount of Surface Pipe Set and Cemented at 280 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2790

feet depth to Surface w/ 635 260 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

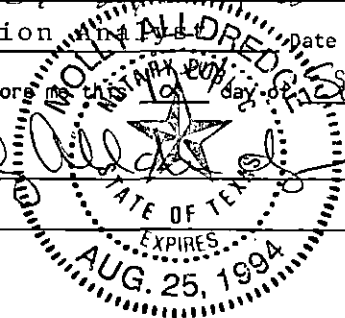
Signature Marty B. McClanahan

Title Sr. Production Date 9/12/90

Subscribed and sworn to before me this 12 day of September, 1990.

Notary Public [Signature]

Date Commission Expires _____



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

CONSERVATION DIVISION
Wichita, Kansas

9-20-90

SIDE TWO

Operator Name American Exploration Co. Lease Name HCU Well # 1111-B
 Sec. 11 Twp. 21S Rge. 41 East County Hamilton
 West

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.)

Formation Description		
Name	Top	Bottom
Stone Corral Anhy.	--	2359 (+1275)
Winfield	2754 (+880)	
Ft. Riley	N/A	(N/A)

Log Sample

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	24#	280	Class "C"	175	2% CC +1/4#
Production	8-3/4	5-1/2	14 & 15#	2736	Howco Lt. Class "A"	360 100	1/4# floccule Standard Cmt.

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	2760-70'	500 gals. 7-1/2% FE acid 35,000# 12/20 sd. & 419 X-link gelled wtr.	bbls.

TUBING RECORD Size 2-3/8 Set At 2668 Packer At 2668 Liner Run Yes No 2 7/8 2708-2770
20 SHs

Date of First Production 2/09/90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	--	--		125		30	-----	---

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



JOB SUMMARY

HALLIBURTON DIVISION Wichita
 HALLIBURTON LOCATION Wichita

ORIGINAL

BILLED ON TICKET NO. 817913

WELL DATA

FIELD _____ SEC. 11 TWP. 21S RNG. 41W COUNTY Hamilton STATE Ks

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			14	5 1/2	KB	2722	
LINER			6.4	2 7/8	2708	2770	
TUBING			6.4	2 7/8	KB	2748	
OPEN HOLE				4 3/4	2722	2770	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 <u>11-1-87</u>	DATE <u>11-1-89</u>	DATE <u>11-1-89</u>	DATE <u>11-1-87</u>
TIME <u>07:00</u>	TIME <u>10:30</u>	TIME _____	TIME _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. Taylor</u>	<u>0959</u>	<u>Wichita</u>
<u>Painter</u>	<u>3801</u> <u>0070</u>	<u>"</u>
<u>Troutman</u>	<u>35449</u>	<u>"</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD	<u>1</u>	
PACKER		
OTHER <u>Witch down plug & R2 & L1</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

CLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cementing

DESCRIPTION OF JOB Cement liner

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

CUSTOMER REPRESENTATIVE X Frank Parker

HALLIBURTON OPERATOR D.G. Troutman COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>20</u>	<u>Std</u>		<u>Idol B</u>			<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESUSHI DBL.-GAL. 10 TYPE Gelled water

BREAKDOWN _____ MAXIMUM 1500 LOAD & BDN: BBL.-GAL. _____ PAD: DBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: DBL.-GAL. _____ DISPL: DBL.-GAL. 1.18

SHUT-IN INSTANT _____ 3-MIN. _____ 18-MIN. _____ CEMENT SLURRY: DBL.-GAL. 2

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: DBL.-GAL. 28

ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____

AVERAGE RATES IN BPM _____

THREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

CUSTOMER Frank Parker LEASE 1111 R JOB TYPE Liner DATE 11-1-89



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 817913

FORM 1808 R-5

DISTRICT Liberal DATE 1 Nov 89

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

WELL NO. 1111B LEASE HCU SEC. 11 TWP. 21S RANGE 41W

FIELD _____ COUNTY Hamilton STATE Ks OWNED BY Am. Expl.

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.B.I.
FORMATION THICKNESS _____ FROM _____ TO _____	CASING	14	5 1/2	KB	2722	
PACKER: TYPE _____ SET AT _____	LINER		2 7/8	2708	2770	
TOTAL DEPTH _____ MUD WEIGHT _____	TUBING	6.4	2 7/8	KB	2708	
BORE HOLE _____	OPEN HOLE		4 3/4	2722	2770	SHOTS/FT.
INITIAL PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF	PERFORATIONS					
PRESENT PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF	PERFORATIONS					
	PERFORATIONS					

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
Cement 2 7/8 liner with 10 sk std cement

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

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- As consideration, the above-named Customer agrees:
- (a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
 - (b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
 - (c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, losing control of the well and/or well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
 - (d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
 - (e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
 - (f) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
 - (g) 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 the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - (h) 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 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 responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
 - (i) 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.
 - (j) 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 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.
 - (k) This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished.
 - (l) 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 _____ CUSTOMER

2022 4

PAGE 1 OF _____ PAGES



ORIGINAL

TICKET NO. 817913-8

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME 11-11 B HCU		COUNTY Hamilton	STATE Ks	CITY / OFFSHORE LOCATION	DATE 1 Nov 89
CHARGE TO American Exploration		OWNER Am. Expl.		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		CONTRACTOR Patrick Wollson		LOCATION 1 Lamar	CODE 50415
CITY, STATE, ZIP		SHIPPED VIA	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2
WELL TYPE 02 G2s	WELL CATEGORY 02 Workover	WELL PERMIT NO. B-814919		DELIVERED TO Location	LOCATION 3
TYPE AND PURPOSE OF JOB 055 Prod. Lifter		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				MILEAGE	65	mi			2.20	143	00
009-407	009-019			Pump Charge	270	FT				927	00
560	801.03122			Omega 5W Plug	1	02	2 7/8"			205	00
562	801.03095			Watch down baffle	1	02	2 7/8 245			69	00
999-086	009-019			Sugar 10#						4	75
509-554				Halliburton Gel	2	sk			7.25	14	50

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B- 814919

539 31
1902 56

WAS JOB SATISFACTORILY COMPLETED? _____
WAS OPERATION OF EQUIPMENT SATISFACTORY? _____
WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

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.

D. G. Truettman

SUB TOTAL



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

HALLIBURTON SERVICES ORIGINAL

INVOICE

INVOICE NO. 817913 DATE 11/01/91

A Halliburton Company

WELL LEASE NO./PLANT NAME HCU 11-11 B		WELL/PLANT LOCATION HAMILTON		STATE KS	WELL/PLANT OWNER SAME
SERVICE LOCATION LAMAR		CONTRACTOR PATRICK WELL SER.	JOB PURPOSE CEMENT PRODUCTION LINER		TICKET DATE 11/01/91
ACCT. NO. 017207	CUSTOMER AGENT FRANK PARQUE	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA COMPANY TRUCK	FILE NO. 859

DIRECT CORRESPONDENCE TO:

AMERICAN EXPLORATION
P.O. BOX 742
SYRACUSE, KS 67878

SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	65	MI	2.20	143.00
		1	UNT		
009-407	CEMENTING LINERS/SHORT CASING	2770	FT.	927.00	927.00
009-019		1	UNT		
560	OMEGA 5-WIPER PLUG - 2-7/8"	1	EA.	205.00	205.00
B01.03122					
562	LATCH DOWN BAFFLE - 2 7/8"	1	EA.	69.00	69.00
B01.03075					
999-086	ITEMS FURNISHED BY OTHERS	10	LB	4.75	4.75
509-554	HALLIBURTON GEL	2	SK	7.25	14.50
504-308	STANDARD CEMENT	60	SK	5.90	354.00
500-207	BULK SERVICE CHARGE	60	CFT	.95	57.00
500-306	MILEAGE CMTG MAT DEL OR RETURN	183.90	TMI	.70	128.31
INVOICE SUBTOTAL					1,902.56
DISCOUNT-(BID)					380.51
INVOICE BID AMOUNT					1,522.05
*--KANSAS STATE SALES TAX					64.69
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$1,586.74

D.D.

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.

AFFIX JOB TKT

ORIGINAL

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME HCU 111-B		COUNTY Hamilton	STATE Ks.	CITY / OFFSHORE LOCATION		DATE 9-26 89
CHARGE TO American Expl. Co		OWNER American Expl Co		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		CONTRACTOR Cheyenne 4		LOCATION 1 Lemo Co		CODE
CITY, STATE, ZIP		SHIPPED VIA Howco		FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2
WELL TYPE 02	WELL CATEGORY 01	WELL PERMIT NO.	DELIVERED TO Loc 18N 5 tier use		LOCATION 3	
TYPE AND PURPOSE OF JOB 010		ORDER NO. B- 814874		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	50	mi			2.20	110.00
001 016				Casing Job 0-300ft		ft			3.95	395.00
030 503				L All Wood Plug	1	ea	8 1/2	"	5.80	58.00
16A	830.2171			Type M Shoes	1				161.00	161.00
40	807.93059			S4 Centralizer	1				53.00	53.00
350	890.10502			Weld A	1				11.00	11.00
<p>NOT FURNISHED AND NOT TO BE USED</p>										

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B- 814874

1616.68

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X Philip R. Loyd
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X Philip R. Loyd
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.

REP
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

CUSTOMER

SUB TOTAL

2404.68

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 818004

FORM 1908 R-5

DISTRICT Liberal

DATE 9-20-84

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

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

WELL NO. 1111-B LEASE HUE HCU SEC. 11 TWP. 21 RANGE 41

FIELD COUNTY Hamilton STATE KS OWNED BY American Expl Co

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

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

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Rows include CASING (24, 8 5/8, KB), LINER, TUBING, OPEN HOLE, PERFORATIONS.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

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

Concrete casing with 175 sk. std cement 29cc 1/4" H.F. fluid

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

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

As consideration, the above-named Customer agrees:

- (a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. (b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner... (c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage... (d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass... (e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons... (f) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials... (g) Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well... (h) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others... (i) Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials... (j) Invoices payable NET by the 20th of the following month after date of invoice... (k) This contract shall be governed by the law of the state where services are performed... (l) Halliburton shall not be bound by any changes or modifications in this contract...

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

SIGNED Phil Loyd CUSTOMER

DATE

TIME 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.

CUSTOMER

HALLIBURTON SERVICES JOB SUMMARY

HALLIBURTON
DIVISION

Wichita

HALLIBURTON
LOCATION

Lamar, Co

BILLED ON
TICKET NO.

818004

FORM 2025

WELL DATA

FIELD _____ SEC. 11 TWP. 21 RNG. 41 COUNTY HOUSTON STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		24	8 5/8	KB	209	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-20</u>	DATE <u>9-20</u>	DATE <u>9-20</u>	DATE <u>9-20</u>
TIME <u>1245</u>	TIME <u>1600</u>	TIME <u>1700</u>	TIME <u>1720</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>Type M</u>	<u>1</u>	<u>Hawco</u>
CENTRALIZERS <u>5-4</u>	<u>1</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>L110</u>	<u>1</u>	<u>"</u>
HEAD		
PACKER		
OTHER <u>Weld A</u>	<u>1</u>	<u>"</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>E Painter 44366</u>	<u>37459</u>	<u>Lamar Co</u>
<u>R Taylor D4033</u>	<u>0939</u>	<u>"</u>
<u>R Palmer B6702</u>	<u>3801</u>	<u>"</u>
<u>J Crawford New</u>		<u>"</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 CMT

DESCRIPTION OF JOB Cement 8% Sulfate

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

CUSTOMER REPRESENTATIVE Phil Loyd

HALLIBURTON OPERATOR E Painter COPIES REQUESTED 1

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>175</u>	<u>572</u>		<u>SW</u>	<u>R</u>	<u>24cc 1/4 1/2 flocc</u>	<u>1.15</u>	

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

FEET _____ REASON _____

PRESLUSH: BBL.-GAL. _____ TYPE _____

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

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 17

CEMENT SLURRY: BBL.-GAL. 36.8

TOTAL VOLUME: BBL.-GAL. _____

REMARKS _____

CUSTOMER

CUSTOMER: Ames Exl Co
LEASE: HCU
WELL NO.: 1118
JOB TYPE: Sulfate
DATE: 9-20-89



ORIGINAL

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME 11-113 HCU		COUNTY Ham. Hon	STATE Ks	CITY / OFFSHORE LOCATION	DATE 1 Nov 89
CHARGE TO American Exploration		OWNER Am. Expl.		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		CONTRACTOR Patrick Wolfson		LOCATION 1 Lamar	CODE 50415
CITY, STATE, ZIP		SHIPPED VIA	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2
WELL TYPE 02 G23	WELL CATEGORY 02 Workover	WELL PERMIT NO.	DELIVERED TO Location		LOCATION 3
TYPE AND PURPOSE OF JOB 055 Prod. Workover		B- 814919	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				MILEAGE	65	mi			2.20	143	00
009-407	009-019			Pump Charge						927	00
560	801.03122			Omega SW Plug	1	ea	2 7/8"			205	00
562	801.03075			Watch down bottle	1	ea	2 7/8" dia			69	00
999-086				Sugar 10"						4	75
509-554				Halliburton Gel	2	sk			7.25	14	50

THIS IS NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B- 814919

539 31

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X Frank Parker
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.

D.G. Troutman
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

CUSTOMER

SUB TOTAL 1363.25
1902.50

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

JOB SUMMARY

 HALLIBURTON DIVISION
 HALLIBURTON LOCATION

 Wichita
 bamar

ORIGINA

BILLED ON TICKET NO. 817913

CUSTOMER: American Energy Exploration LEASE: HWV WELL NO.: 11-1113 JOB TYPE: Liner DATE: 1 Nov 89

WELL DATA

FIELD _____ SEC. 11 TWP. 215 RNG. 41d COUNTY Hamilton STATE Ks

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			14	5 1/2	KB	2722	
LINER			6.4	2 7/8	2708	2770	
TUBING			6.4	2 7/8	KB	2718	
OPEN HOLE				4 3/4	2722	2770	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

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-1-89</u>	DATE <u>11-1-89</u>	DATE <u>11-1-89</u>	DATE <u>11-1-89</u>
TIME <u>07:00</u>	TIME <u>10:30</u>	TIME _____	TIME _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD	1	
PACKER		
OTHER <u>2 step down plug 2 3/4" 1 lb</u>		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R Taylor</u>	<u>0959</u>	<u>Wichita</u>
<u>Painter</u>	<u>3801</u>	<u>"</u>
	<u>5090</u>	<u>"</u>
<u>Trotter</u>	<u>25449</u>	<u>"</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 Cementing

DESCRIPTION OF JOB Cement liner

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

CUSTOMER REPRESENTATIVE **X** Franklin

HALLIBURTON OPERATOR D.G. Trotter COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>20</u>	<u>PS</u>		<u>T.I.T.</u>	<u>B</u>		<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM 1500

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

FEET 6" REASON _____

SUMMARY

10 VOLUMES Gilled water

PRESLUSH: BBL.-GAL. _____ TYPE _____

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

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 16

CEMENT SLURRY: BBL.-GAL. 2

TOTAL VOLUME: BBL.-GAL. 28

REMARKS



FORM 1908 R-7

A Division of Halliburton Company

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 043009

DISTRICT Liberty, Mo.

ORIGINAL DATE 11-8-90

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

THE SAME AS AN INDEPENDENT CONTRACTOR TO: American Exploration Co. (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 111-B LEASE HC4 SEC. 11 TWP. 21S RANGE 4W

FIELD COUNTY Hamilton STATE KS OWNED BY S&P

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

Table with columns: FORMATION NAME, TYPE, THICKNESS, FROM, TO, PACKER: TYPE, SET AT, TOTAL DEPTH, MUD WEIGHT, BORE HOLE, INITIAL PROD, PRESENT PROD, NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I., OPEN HOLE, PERFORATIONS, SHOTS/FT.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

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

Raise Cement to surface in 8 7/8 & 5 1/2 Annulus using 1" pipe

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.

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 [Signature] CUSTOMER

DATE 11-8-90

TIME 2:30 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.

RETAIN

HALLIBURTON SERVICES JOB LOG

WELL NO. 1111-6 LEASE 1111-6

TICKET NO. 043009

CUSTOMER American Energy

PAGE NO. 1

FORM 2013 R-2

JOB TYPE 80-Cement 8 1/2-5 1/2

DATE 11-8-70

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	00:15							ORIGINAL CHIEF OUT
	01:30							on loc - NO ACTIVITY
	02:30							set-up Housio - P.g. down on loc
	03:30							Hook-up To Tng To Circulate Down
	04:45							Pulled Swage out of 1"
	10:00							Pick-up Another Jot - Pull Swaged out of it
	10:30							Shut Down - Handup 1 1/2 Checksums
	12:40	1.5	120	1			800	Hookup To Circulate 7 Jts Down
	15:50							Shut Down w/ 6 Jts in - Wait on Water
1	16:30							Water on loc - Ready to Cement
2	16:35	1.5	23	1			0/1500	start Cement
3	17:00						1500/1200	lost Circ. w/ 2100L Cement In
4	17:07						1800/0	Shut Down - Pipe stuck
5	17:14	1.5		1				Pipe Free - Pump Water - NO Circ.
6	17:17	1.5		1			400	Pull 2 Jts - Pump Water - NO Circ.
7	17:26	1.5		1			0/400	Pull 2 Jts - Pump Water - Circ. Est.
8	17:28	1.5	15	1			400/700	Mix Cement - Cont To Surface w/ 11 000 In
9	17:43						200/0	Shut Down - Knock Loose - Pull 18 Jts
10	17:48			2			0	Wash Pump Lines
11	17:50							Reversed
								Threats, C. D. and Crew

RECEIVED
STATE CORPORATION COMMISSION

NOV 30 1970

CONSERVATION DIVISION
Wichita, Kansas

RETAIN



ORIGINAL

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME HCU 111-8		COUNTY Haskell	STATE KS	CITY / OFFSHORE LOCATION	DATE 11-1-90
CHARGE TO American Exploration Co		OWNER American Exploration Co		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS		CONTRACTOR Patrick W.S.		LOCATION 1, Liberal, KS, 25540	
CITY, STATE, ZIP		SHIPPED VIA Halsco		FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	
WELL TYPE		WELL CATEGORY 02		WELL PERMIT NO. B-857357	
TYPE AND PURPOSE OF JOB 0300		DELIVERED TO 100		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 Pump Truck	67	mi.	1	EA	2.35	157.45
000-118	000-117	1		Mileage Surcharge	67		1	EA	.40	26.80
011-205		1		Pumping CNG - 2 1/2" H. 1000	700	lb.	4	1105	70000	780.00
011-213		1		Additional Pumping CNG	900	lb.	6	1105	15500	930.00

RECEIVED
STATE CORPORATION COMMISSION
NOV 30 1990
CONSERVATION DIVISION
Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-857357 2877 61

WAS JOB SATISFACTORILY COMPLETED? _____
 WAS OPERATION OF EQUIPMENT SATISFACTORY? _____
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____
 X 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.

C. Davis
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

SUB TOTAL 4771.26
 APPLICABLE TAXES WILL BE ADDED ON INVOICE.



JOB SUMMARY

HALLIBURTON DIVISION 082
 HALLIBURTON LOCATION 161111

BILLED ON TICKET NO. 113009

WELL DATA

FIELD _____ SEC. 11 TWP. 21S RNG. 11E COUNTY 11 STATE _____

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	1	211	2 1/2	0	310	
LINER	1	11	2 1/2	51		
TUBING	1	1	2 1/2	710		
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

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

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE _____	DATE _____	DATE _____	DATE _____
TIME _____	TIME _____	TIME _____	TIME _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>CO</u>	<u>1120</u>	<u>1120</u>
<u>F. P. H.</u>	<u>1110</u>	<u>1110</u>
<u>D. P. H.</u>	<u>6418</u>	<u>6418</u>
<u>G. P. H.</u>	<u>1127</u>	<u>1127</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 _____

DESCRIPTION OF JOB _____

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

CUSTOMER REPRESENTATIVE **X** _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	200	Superflow	H			1.22	111

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. 100 TYPE 21100

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. _____

ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL.-GAL. _____

HYDRAULIC HORSEPOWER _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

REMARKS _____

FEET _____ REASON _____

CUSTOMER _____
 LEASE _____
 WELL NO. _____
 JOB TYPE _____
 DATE _____

WORK ORDER CONTRACT
AND PRE-TREATMENT DATA

FQRM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 817937

DISTRICT Liberal

DATE 9-23-57

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

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

WELL NO. 111B LEASE HOLL SEC. 11 TWP. 21S RANGE 4E

FIELD Beaumont COUNTY Hamilton STATE KS OWNED BY American Exploration

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							
CASING		<u>U</u>	<u>15.5</u>	<u>5 1/2</u>	<u>KB</u>	<u>2755</u>	
LINER							
TUBING							
OPEN HOLE				<u>7 7/8</u>	<u>KB</u>	<u>2736</u>	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE TYPE MATERIALS

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

Cement 5 1/2" long string 2/360 lbs HLC etc
100 lbs standard 1/2" x 1/2" flocc

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 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 the event 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, independent 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 Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing or 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 [Signature] CUSTOMER

DATE 9-23-57

TIME 10:50 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.

CUSTOMER

FIELD BRADSHAW SEC. 11 TWP. 21S RNG. 41E COUNTY WALTON STATE KS

WELL DATA

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		<input checked="" type="checkbox"/>	15.5	5 1/2	KB	2755	
LINER							
TUBING							
OPEN HOLE				2 7/8	KB	2736	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

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>THIN FLOOR SHOE</u>	<u>1</u>	<u>HOWCO</u>
CENTRALIZERS <u>5-4 5/8"</u>	<u>5</u>	<u>HOWCO</u>
BOTTOM PLUG		
TOP PLUG <u>5/8 RUBBER</u>	<u>1</u>	<u>HOWCO</u>
HEAD <u>FREE FALL 5 1/2</u>	<u>1</u>	<u>HOWCO</u>
PACKER		
OTHER <u>HOWCO WEIR A</u>	<u>1</u>	<u>HOWCO</u>

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. 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

PLUGGING AGENT TYPE GAL.-LB.

PERFPAC BALLS TYPE QTY.

OTHER

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-22-89</u>	DATE <u>9-23-89</u>	DATE <u>9-23-89</u>	DATE <u>9-23-89</u>
TIME <u>2300</u>	TIME <u>0330</u>	TIME <u>1715</u>	TIME <u>1830</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>G.D. MOORE</u>	<u>33670</u>	<u>LAMAR, CO</u>
<u>R. Taylor</u>	<u>0959</u>	<u>LAMAR, CO</u>
<u>R. PALMER</u>	<u>1120</u>	<u>LAMAR, CO</u>
<u>J. Crawford</u>	<u>4109</u>	<u>LAMAR, CO</u>
	<u>5070</u>	<u>LAMAR, CO</u>

DEPARTMENT Cement

DESCRIPTION OF JOB Cement 5 1/2" Longstring
W/360 H2O STR 1/4" KK Floccle
100 SKE STD 1/4" KK Floccle

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

CUSTOMER REPRESENTATIVE X Frank Paulson

HALLIBURTON OPERATOR H. D. Moore COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>360</u>	<u>HCC</u>	<u>STB</u>	<u>IDEAL</u>	<u>R</u>	<u>1/4" KK Floccle</u>	<u>1.97</u>	<u>12.4</u>
<u>1</u>	<u>112</u>	<u>STB</u>	<u>STB</u>	<u>IDEAL</u>	<u>R</u>	<u>1/4" KK Floccle</u>	<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI

CIRCULATING DISPLACEMENT PRESURUSH: 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. 147.32

HYDRAULIC HORSEPOWER TOTAL VOLUME: BBL.-GAL. 313584

ORDERED AVAILABLE USED

AVERAGE RATES IN BPM

TREATING DISPL. OVERALL

CEMENT LEFT IN PIPE

REASON THANK YOU FOR CALLING HALLIBURTON

CUSTOMER 11115 JOB TYPE DATE

HALLIBURTON SERVICES
Duncan, Oklahoma 73838

A Division of Halliburton Company

TICKET

NO. **817937**

ORIGINAL

FORM 1908 R-11

WELL NO. - FARM OR LEASE NAME 11118 HCU		COUNTY Hamilton	STATE Ks	CITY / OFFSHORE LOCATION	DATE 9-23-89
CHARGE TO American Exploration		OWNER American Expl.		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		CONTRACTOR Cheyenne Drilling		1 LOCATION Lamar, Co	CODE 5041
CITY, STATE, ZIP		SHIPPED VIA C-TRK.		2 LOCATION	CODE
WELL TYPE		WELL PERMIT NO. B-814876		3 LOCATION	CODE
TYPE AND PURPOSE OF JOB		DELIVERED TO N. Syracuse, Ks.		REFERRAL LOCATION	
		ORDER NO.			

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 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		
0100-117				MILEAGE	65	Mi			2.320	150.80
0101-016				Pump Charge	275	BT	8	hrs		927.00
030-016				SW Rubber Plug	1	EA	5	EA		46.00
026	547-1-313			Insert Foot Shoes	1	EA	2	EA		223.00
27	815-19315			Fill up Unit	1	EA				30.00
40	507-20022			Centrifugal Seal	5	EA	5	EA	44.00	220.00
350	550-10802			Halliburton Seal	1	EA				11.00

THIS IS NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-814876**

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

Frank Perdue
CUSTOMER OR HIS AGENT (PLEASE PRINT)

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.

HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

CUSTOMER

4652
5652 79

SUB TOTAL

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

**BULK MATERIALS DELIVERY
AND
TICKET CONTINUATION**

ORIGIN _____
FOR INVOICE AND
TICKET NO. _____



DATE 23 Sept 89	CUSTOMER ORDER NO.	WELL NO. AND FARM 11113 HCU	COUNTY Hamilton	STATE Ks
CHARGE TO American Exploration	OWNER American Expl	CONTRACTOR Cheyenne Dalg		No. B814876
MAILING ADDRESS	DELIVERED FROM Wamar	LOCATION CODE 50415-	PREPARED BY Troutman	
CITY & STATE	DELIVERED TO location	TRUCK NO. 1020-4009 3801-5090	RECEIVED BY	

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-308				Ideal Std Cement	100	sk			5.90	590	00
504-316				Halliburton hight Std.	360	sk			5.30	1908	00
507-210				Floacle @ 1/4" sk in H40	115	lb			1.27	146	05
THIS IS NOT AN INVOICE											
				Returned Mileage Charge							
				TOTAL WEIGHT		LOADED MILES		TON MILES			
				SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET			
500-207				SERVICE CHARGE				CU. FEET 460	.95	437	00
500-306				Mileage Charge	42,714	68		1388.205	.70	971	74
				TOTAL WEIGHT		LOADED MILES		TON MILES			
No. B 814876				CARRY FORWARD TO INVOICE				SUB-TOTAL		4052.79	

CUSTOMER

JOB LOG

WELL NO. 1171 LEASE 1171 TICKET NO. 1171

CUSTOMER American Exploration PAGE NO. 1

JOB TYPE 5 1/2" Longstring DATE 9-23-87

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL / GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2300							Called out
	0400							Request called
	0330							On line, HLS logging
	1715							Hook up to circulator
	1738						100	START Mixing Cement
	1814	4	147				0	FINISH Mixing Cement
	1815							DROP Plug Wash Pump Line
	1817						0	START Displacement
	1830	5	65.5				700	FINISH Displacement
								Plug landed, float held
								<u>Cement Didnt Circulate</u>

Thank you
 Gary Richard
 Randy Jones

DRILLERS LOG

AMERICAN EXPLORATION COMPANY
HCU #1111-B
SECTION 11-T21S-R41W
HAMILTON COUNTY, KANSAS

COMMENCED: 09-20-89
COMPLETED: 09-23-89

SURFACE CASING: 270' OF 8 5/8"
CMTD W/175 SX "C", 2% C.C.,
1/4#/SX FLO-SEAL

FORMATION	DEPTH
SURFACE HOLE	0- 285
SAND	285- 379
SAND & CLAY	379-1118
RED BED	1118-1410
SAND & RED BED	1410-1818
CLAY & SHALE	1818-2465
SHALE	2465-2736 RTD

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

RECEIVED
STATE CORPORATION COMMISSION

CHEYENNE DRILLING, INC.

A. J. Jacques

A. J. JACQUES

SEP 29 1989

CONSERVATION DIVISION
Wichita, Kansas

STATE OF KANSAS ::s:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 26TH DAY OF SEPTEMBER, 1989

BECKY J. WHETSTONE
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 4/29/91

Becky J. Whetstone

BECKY J. WHETSTONE, NOTARY PUBLIC

(1)

P1+