

ORIGINAL

SIDE ONE

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

API NO. 15- 163-23,147-00-00

County Rooks
App 75' W of _____ East
SW NE NE Sec. 14 Twp. 7 Rge. 17 West

4290 Ft. North from Southeast Corner of Section
990 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name CASAD Well # 2-14

Field Name Woodson Dam

Producing Formation D & A

Elevation: Ground 1810 KB 1815

Total Depth 3350 PBTD --

Operator: License # 5418

Name: ALLEN DRILLING COMPANY

Address 7950 E. Prentice #100

Englewood, CO 80111

City/State/Zip _____

Purchaser: D & A

Operator Contact Person: Doug Hoisington

Phone (303) 796-7350

Contractor: Name: ALLEN DRILLING COMPANY

License: 5418

Wellsite Geologist: JEFFREY R. ZOLLER

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWM: old well info as follows:

Operator: N/A

Well Name: ---

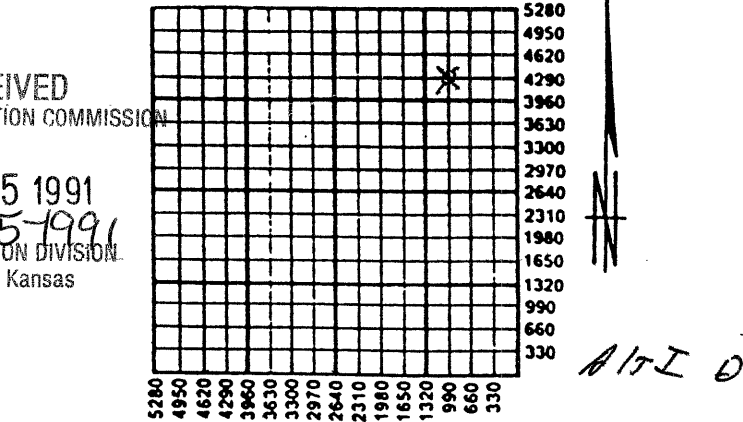
Comp. Date --- Old Total Depth ---

Drilling Method:

Mud Rotary Air Rotary Cable

3/12/91 3/18/91 3/19/91

Spud Date 3/12/91 Date Reached TD 3/18/91 Completion Date 3/19/91



Amount of Surface Pipe Set and Cemented at 1189' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ 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 _____ Date 4-11-91

Title State Vice President

Subscribed and sworn to before me this 11th day of April, 19 91.

Notary Public Cynthia L. Woolery

Date Commission Expires 1-17-94

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution
 KCC SMD/Rep NGPA
 KGS Plug Other
(Specify)

SIDE TWO

Operator Name ALLEN DRILLING COMPANY

Lease Name CASAD

Well # 2-14

Sec. 14 Twp. 7 Rge. 17

East

County Rooks

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

Log Sample

Name Top Bottom

"SEE ATTACHED"

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
Conductor	17-1/2"	13-3/8"	48#	101'	common	100	4% cc
Surface	12-1/4"	8-5/8"	24#	1189'	60/40poz	450	2%gel 3%cc

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

TUBING RECORD

Size Set At Packer At

Liner Run Yes No

Date of First Production Producing Method Flowing Pumping Gas Lift Other (Explain)

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

Disposition of Gas:

Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Conningled

Other (Specify) Dry & Abandoned

Production Interval

ORIGINAL

15-163-23147-00-00

STRATIGRAPHIC MARKERS	SUBJECT WELL SAMPLE	ST F. LOG	DATUM
Anhydrite	1179	1183	+632
Base Anhyd.	1206	1212	+603
Howard	2540	2540	-725
Topeka	2689	2689	-874
King Hill	2733	2784	-969
Queen Hill	2840	2841	-1026
Heebner	2898	2901	-1086
Toronto	2923	2924	-1109
Lansing	2945	2946	-1131
'H' Zone	3081	3082	-1267
Base KC	3194	3194	-1379
Conglomerate	3290	3288	-1473
Arbuckle	3312	3312	-1497
TD	3350	3349	-1534

DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	2697 -	35 -	376	35 -	--	1381 -	5' mud; 1st weak blow dead in 8 min; 2nd flush tool surge.
	2727	35		35		1381	
	Topeka	15	15	15			
2	2507 -	23 -	896	47 -	884	1174 -	125' mud weak blow thru test
	2727	35		47		1174	
	Larkio	30	30	45	45		
3	2804 -	35 -	955	35 -	955	1404 -	40' mud; 1st opn weak blow dead in 21 min. 2nd flush tool surged.
	2860	35		35		1404	
	Topeka	30	15	15	15		
4	2901 -	58 -	860	70 -	860	1485 -	45' mud; 1st opn weak blow dead in 22 min 2nd weak blow dead in 3 min.
	2980	58		70		1485	
	Toronto & Lansing	30	15	15	15		

RECEIVED
STATE CORPORATION COMMISSION

APR 15 1901

COMMISSIONER
Wichita, Kansas



HALLIBURTON SERVICES
Duncan, Oklahoma 73036

WORK ORDER CONTRACT

ORIGINAL 15-163-23147-00-00

FORM 1908 R-7 A Division of Halliburton Company

AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 103851

DISTRICT Hays KS

DATE 3-12-91

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

WELL NO. 2 LEASE Cadad SEC. _____ TWP. _____ RANGE _____

FIELD _____ COUNTY ROCKS 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.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE	SET AT						
TOTAL DEPTH <u>105</u>	MUD WEIGHT						
BORE HOLE							
INITIAL PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
PRESENT PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
		RECEIVED STATE CORPORATION COMMISSION					
OPEN HOLE					<u>102</u>	<u>105</u>	SHOTS/FT.
PERFORATIONS				<u>APR 15 1991</u>			
PERFORATIONS				CONSERVATION DIVISION Wichita, Kansas			
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Cement conductor CSS. w/ 100 SKS STD 4 7/8" O.D.

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 Richard Steverson CUSTOMER

DATE 3-12-91

**HALLIBURTON SERVICES
JOB LOG**

ORIGINAL

15-103-23147-00-00

WELL NO. 2 LEASE Cudad TICKET NO. 103851
 CUSTOMER Allen Drig. PAGE NO. 1
 JOB TYPE Conductor 13 3/4" DATE 3-12-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1600							called out to cement conductor string
	1715							on log, Drig. @ 30'
	2035							Hole made @ 105'
	2100							ST. 13 3/4" casing.
	2138							Casing to 102' Hook up to Rig pump & air.
	2135						0	ST. mix cement 100 SKS STD. 4 1/2 cc
	2147	6	21				0	EMT mixed
	2147	8					0	ST. DISPL.
	2158	22					200	emt displ to 94' KB
	2200							Shut in @ casing. (emt cir to pit)
	2210							wash & rack up equip
	2230							Job complete
								Thank you <i>[Signature]</i>
								X. Richmeier #59734
								L. Dinkel #B7383
								D. Ash #E1609

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STATE CORPORATION COMMISSION

APR 15 1991

CONSERVATION DIVISION
Wichita, Kansas



JOB SUMMARY

HALLIBURTON DIVISION

OKLA City

15-163-23147-00-00

HALLIBURTON LOCATION

Hays KS

BILLED ON TICKET NO.

103851

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY ROCKS 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 105

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	48#	13 3/4	KB	102	
LINER						
TUBING						
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		

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-12-91</u>	DATE <u>3-12-91</u>	DATE <u>3-12-91</u>	DATE <u>3-12-91</u>
TIME <u>16:00</u>	TIME <u>17:15</u>	TIME <u>21:25</u>	TIME <u>22:00</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. D. Delp</u>	<u>comb</u>	<u>Hays KS</u>
<u>K. Richman</u>	<u>51143</u>	<u>Hays KS</u>
<u>D. Carl</u>	<u>comb</u>	<u>Hays KS</u>
	<u>0530</u>	<u>Hays KS</u>

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APR 15 1991
CONSERVATION DIVISION
Wichita, Kansas

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENISTY _____ 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 Cement

DESCRIPTION OF JOB Cement

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Richard Stearns

HALLIBURTON OPERATOR J. Delp COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>100</u>	<u>standard</u>		<u>B</u>	<u>4% cc</u>	<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESFLUSH. BBL.-GAL. _____ TYPE _____

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

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL. BB-GAL. 13

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. 21

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____ CEMENT LEFT IN PIPE _____

FEET 10 REASON Requested

REMARKS _____

REMARKS _____

REMARKS _____

15-163-23147-00-00



TICKET

PAGE 1 OF _____ PAGES

HALLIBURTON SERVICES
Duncan, Oklahoma 73538

NO. 103851-0

A Division of Halliburton Company

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME <i>2 Cadach</i>		COUNTY <i>Rooks</i>	STATE <i>Ks.</i>	CITY / OFFSHORE LOCATION	DATE <i>3-12-91</i>
CHARGE TO <i>Allen Drig</i>		OWNER <i>Same</i>	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 <i>CO. TOOLS</i>	LOCATION <i>4443, KS</i>		CODE <i>25525</i>
CITY, STATE, ZIP		SHIPPED VIA <i>CO. TRK</i>	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION <i>2</i>	
WELL TYPE <i>01</i>	WELL CATEGORY <i>01</i>	WELL PERMIT NO. <i>B-904062</i>	DELIVERED TO <i>LOC ESTACKTON</i>	LOCATION <i>3</i>	
TYPE AND PURPOSE OF JOB <i>005</i>		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 #5143	19	mi			235	4465
000-118		1		mileage surcharge	19	mi			12	760
001-016		1		pump chg.	102	ft				440 00
001-002		1		LABOR - 7 1/2 hrs						322 00
RECEIVED STATE CORPORATION COMMISSION APR 15 1991 CONSERVATION DIVISION Wichita, Kansas										

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-904062

847 29

WAS JOB SATISFACTORILY COMPLETED? _____
 WAS OPERATION OF EQUIPMENT SATISFACTORY? _____
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____
 X *Richard Stover*
 CUSTOMER OR HIS AGENT (PLEASE PRINT)

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.
Kenneth J. Richman
 HALLIBURTON OPERATOR

SUB TOTAL
 APPLICABLE TAXES WILL BE ADDED ON INVOICE

15-163-23147-00-00

ORIGINAL

**BULK MATERIALS DELIVERY
AND
TICKET CONTINUATION**



FOR INVOICE AND TICKET NO. 103851

DATE 3-12-91	CUSTOMER ORDER NO.	WELL NO. AND FARM #2 Cadad	COUNTY Rooksv	STATE Kansas
CHARGE TO Allen Drlg.		OWNER Same:	CONTRACTOR Co. Tools	No. B 904062
MAILING ADDRESS		DELIVERED FROM Hays, Ks.	LOCATION CODE 25525	PREPARED BY Becker
CITY & STATE		DELIVERED TO E Stockton, Ks.	TRUCK NO.	RECEIVED BY <i>Ken Lindner</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE L D	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT		
				QTY.	MEAS.	QTY.	MEAS.				
504-308	516.00261	1B	Standard Cement	100				5.45	545	00	
509-406	890.50812	1B	Calcium Chloride Blended	4				26.25	105	00	
<p>RECEIVED STATE CORPORATION COMMISSION</p> <p>APR 15 1991</p> <p>CONSERVATION DIVISION Wichita, Kansas</p> <p>THIS IS NOT AN INVOICE</p>											
		Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES						
		SERVICE CHARGE ON MATERIALS RETURNED					CU. FEET				
500-207		1B			108		1.10	118	80		
500-306		1B	Mileage Charge	9720	19	92.340	.75	69	26		
500-307			TOTAL WEIGHT	LOADED MILES	TON MILES	.10	9	23			
No. B904062		CARRY FORWARD TO INVOICE					SUB-TOTAL		847	29	



HALLIBURTON SERVICES

Duncan, Oklahoma 73538

FORM 1908 R-7



A Division of Halliburton Company

15-163-23147-00-00

ORIGINAL

WORK ORDER CONTRACT

AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO.

080211

DISTRICT HAYS

DATE 3-13-91

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

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

WELL NO. 2 LEASE CASAO SEC. 14 TWP. 7 RANGE 17

FIELD _____ COUNTY ROOKS STATE KS OWNED BY JAME

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

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>N</u>	<u>23</u>	<u>8 3/8</u>	<u>KB</u>		
LINER						
TUBING						
OPEN HOLE	<u>RECEIVED</u> STATE CORPORATION COMMISSION					SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

CEMENT SURFACE CASING w/ 450 SKS 60/40 POZ 2% GEL 3% CC
Plus down 5100 Cement did CIRC

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 terms and conditions 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 _____ CUSTOMER
DATE 3-14-91

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the

HALLIBURTON SERVICES
JOB LOG

15-163-23147-00-00

WELL NO. 2 LEASE ORIGINAL TICKET NO. 080211
 CUSTOMER ALLEN ORCG PAGE NO. 1
 JOB TYPE SURFACE DATE 3-14-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2000	3-13-91						ON LOC RIG MAKING HOLE
	2245							RIG MAKE BT 7 MIN
	0130	3-14-91						START R/W 8 5/8" 23" CSG
	0400							TALLEY 1182 28 JIS SET @ 1189'
	0							HOOK UP PC. & MANIFOLD TO RIG
	0425	95						PUMP - BREAK CIRC
								HOOK UP TO H.T.
								MIX & PUMP CMT
								450 SKS (40/10) PER 24" GAL 3" GCC
								FINISH MIX CMT
	0442	75 1/2						RELEASE PLUG
								START DSP
								CMT RETURNS TO SURFACE
								(CIRC APPROX 35 SKS TO PIT)
	1450							1000 DSP IN
	0500							400 CLOSE MANIFOLD
								JOB COMPLETE

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CONSERVATION DIVISION
Wichita, Kansas

Thank you

MUEL CHILGERS
ALAN GABEL
DANNY ROTHENBERGER



JOB SUMMARY

HALLIBURTON DIVISION

HALLIBURTON LOCATION

15-163-28147-00-00
ORIGINAL
 OKLAHOMA CITY

HAYS

BILLED ON TICKET NO.

080211

WELL DATA

FIELD _____ SEC. 14 TWP. 7 RNG. 17 COUNTY ROOKS STATE KJ

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

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

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

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-13-91</u>	DATE <u>3-13-91</u>	DATE <u>3-14-91</u>	DATE <u>3-14-91</u>
TIME <u>1815</u>	TIME <u>2000</u>	TIME <u>0400</u>	TIME <u>0500</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>M. CHILDESS</u>		
<u>A. GABEL</u>	<u>3472 PT.</u>	<u>HAYS</u>
<u>D. ROTHENBERGER</u>	<u>51252 BT</u>	<u>HAYS</u>

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WICHITA, KANSAS

DEPARTMENT CEMENT

DESCRIPTION OF JOB
CEMENT SURFACE CASING

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

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR M. K. Chel... COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>450</u>	<u>60/10</u>	<u>A</u>	<u>102</u>	<u>B</u>	<u>2% GCL 3% CC</u>	<u>1.27</u>	<u>14.3</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

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

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

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

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

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON CUSTOMER REQUEST

REMARKS
SEE JOB LOG

CUSTOMER: ALEX ORLG
 LEASE: CASAO
 WELL NO.: 2
 JOB TYPE: SURFACE
 DATE: 3



ORIGINAL

HALLIBURTON SERVICES

Duncan, Oklahoma 73538

TICKET NO. 080211-X

A Division of Halliburton Company

15-163-23147-00-00

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME #2 CASAD		COUNTY Rocks	STATE KS	CITY / OFFSHORE LOCATION	DATE 3-14-91
CHARGE TO ALLEN DRUG			OWNER JAME	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 CO. TOOLS	1 LOCATION 1 DAYS, KS	CODE 25525
CITY, STATE, ZIP			SHIPPED VIA HACO	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	2 LOCATION CODE
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO.	DELIVERED TO E. OF STOCKTON, KS	3 LOCATION	CODE
TYPE AND PURPOSE OF JOB 010		B-	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			
CKC-117		1		MILEAGE TRK# 3472	19	m			2.35	44	65
CKC-118		1		MILEAGE SURCHARGE	19	m			.40	7	60
001 016		1		PUMP SERVICE	1189	FT				835	00
036-012		1		PLUG	1	EA	8 5/8	in		130	00
40	86794591	1		CENTRALIZER	3	EA			62.00	186	00
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AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B- 904065

3177 01

WAS JOB SATISFACTORILY COMPLETED? _____
 WAS OPERATION OF EQUIPMENT SATISFACTORY? _____
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____
 X _____
 CUSTOMER OR HIS AGENT (PLEASE PRINT)

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.

M. H. C. Chubb
HALLIBURTON OPERATOR

SUB TOTAL

APPLICABLE TAX RE ADDED ON



HALLIBURTON SERVICES
Duncan, Oklahoma 73838

FORM 1908 R-7 A Division of Halliburton Company

WORK ORDER CONTRACT
AND PRE-TREATMENT DATA

ORIGINAL

15-163-23147-00-00

ATTACH TO INVOICE & TICKET NO. 103853

DISTRICT Hoyt's

DATE 3-19-91

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

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Allen D. J. (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 2 LEASE Cadad SEC. 14 TWP. 7 S RANGE 17 W

FIELD _____ COUNTY Rooks STATE Ks OWNED BY Same

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

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING						
LINER						
TUBING						
OPEN HOLE	STATE CORPORATION COMMISSION					SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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Wichita, Kansas

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

plug to abandon well w/ 175 SKS 6 1/4" per 6 3/4" gal 1/4" flange/sk
25 SKS @ 2334' 25 SKS @ 1220' 100 SKS @ 685' 10 SKS @ 40'
15 SKS Rot hole

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

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

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. 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 Richard Stover CUSTOMER

DATE 3-19-91



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

OKlahoma city, OK
Hays, KS

15-163-23147-00-00
BILLED ON TICKET NO. 103853

WELL DATA

FIELD _____ SEC. 14 TWP. 7 RNG. 17 COUNTY Rooks STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

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

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

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-17-91</u> TIME <u>0010</u>	DATE <u>3-17-91</u> TIME <u>0230</u>	DATE <u>3-17-91</u> TIME <u>0315</u>	DATE <u>3-17-91</u> TIME <u>0500</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>K. Schmeier</u>	<u>51143</u>	
<u>L. Dinkel</u>	<u>cmf Pump</u>	<u>Hays, KS</u>
<u>D. Travis</u>	<u>0819</u>	" "
	<u>cmf Bulk</u>	" "

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TOOLS AND ACCESSORIES

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

MATERIALS

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

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

PROP. TYPE _____ SIZE _____ LB.

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 cmf

DESCRIPTION OF JOB
plug to abandon well

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Richard Stamm

HALLIBURTON OPERATOR Kenn Rechner COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>175</u>	<u>60143</u>	<u>P12</u>	<u>B</u>	<u>6% gel 1/4# flocc 1st</u>	<u>1.53</u>	<u>13.6</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

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

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

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

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

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

REMARKS
Thank you
Kenn

CUSTOMER: Allen DHA
LEASE: Caltek
WELL NO: 2
JOB TYPE: Plug to abandon
DATE: 3-17-91

HALLIBURTON SERVICES
JOB LOG

15-163-23747-00+010

WELL NO. 2 LEASE Ca Lad TICKET NO. 103853
 CUSTOMER Allen Drig. PAGE NO. 1
 JOB TYPE Plug and abandon DATE 3-17-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0010							Called out - for 175 SKS 6' dia
	0230							POZ 100 gal of #5 muck
	0315							on loc, Rig cr. @ 2554'
	0330							mix 25 SKS @ 2554, 3 bbl 1120 ahead
	0240							+ behind, Displace w/ 30 bbl.
	0520							1st plug down
	0530							Pull pipe to 1220' pump 2 bbl
								water 25 SKS cont + 2 bbl water
								14 bbl mud
								2nd plug down
								Pull pipe to 1670' pump 2 bbl water
								100 SKS cont + 2 bbl water
	1559							3rd plug down
	0600							Pull rest of Drill pipe, Rot hole
								push plug to 40' plug from 40' to
								surf w/ 10 SKS
								plug rot hole w/ 15 SKS
	0700							well plugged
								Job complete
								<i>[Signature]</i>
								K. Richman #59734
								L. Dinkel #B-2151

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 APR 15 1991
 CONSERVATION DIVISION
 Wichita, Kansas

CUSTOMER

15-163-23147-00-00



HALLIBURTON SERVICES
Duncan, Oklahoma 73536
A Division of Halliburton Company

TICKET

NO. **103853-2**

PAGE 1 OF 2 PAGES

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME 2 Cadad		COUNTY Rooks	STATE Ks	CITY / OFFSHORE LOCATION	DATE 3-19-91
CHARGE TO Allen Drilg		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		CONTRACTOR CO Tools	1 LOCATION Hays, Ks		CODE 25525
CITY, STATE, ZIP		SHIPPED VIA CO Tools	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	2 LOCATION	
WELL TYPE 11	WELL CATEGORY 06	WELL PERMIT NO.	DELIVERED TO LOC.	3 LOCATION	
TYPE AND PURPOSE OF JOB 115		B-704069	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 #51143	19	mi			2.35	44.65
000-118		1		Milage Surcharge	19	mi			.40	7.60
090-910		1		Pump chg.	2	hr				370.00
030-503		1		LA-11 Warden Plug	1	ea	89	in		90.00
090-923		1		Additional Hrs	2	hr			7.10	168.00
<p>RECEIVED STATE CORPORATION COMMISSION APR 15 1991 CONSERVATION DIVISION Wichita, Kansas</p>										

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-704069** 1267.95

WAS JOB SATISFACTORILY COMPLETED?
 WAS OPERATION OF EQUIPMENT SATISFACTORY?
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY?
 CUSTOMER OR HIS AGENT (PLEASE PRINT)

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.

Kenneth J. Richardson
HALLIBURTON OPERATOR

SUB TOTAL
APPLICABLE TAXES WILL BE ADDED ON INVOICE.

15-163-23147-00-00

**BULK MATERIALS DELIVERY
AND
TICKET CONTINUATION**

ORIGINAL



FOR INVOICE AND TICKET NO. 103853

DATE 3-19-91	CUSTOMER ORDER NO.	WELL NO. AND FARM Cadad #1	COUNTY Rooks	STATE Kansas
CHARGE TO Allen Drilling		OWNER Same	CONTRACTOR Co. Tools	No. B 904069
MAILING ADDRESS		DELIVERED FROM Hays, Ks	LOCATION CODE 25525	PREPARED BY Kuhn
CITY & STATE		DELIVERED TO E Stockton, Ks	TRUCK NO. 0818	RECEIVED BY <i>Ken Ruckner</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
				175Cu. Ft. Pozmix Cement 6% Gel							
504308	516.00261	1	B	Standard Cement	105				5.45	572	25
506-105	516.00286	1	B	Pozmix 'A'	70				3.00	210	00
506-121	516.00259	2	B	3sk Halliburton Gel @ 2%							n/c
507-277	516.00259	2	B	Halliburton Gel @ 4%	6				13.75	82	50
507-210	890.50812 XXX.	2	B	Flocele. Blended	50	1b			1.30	65	00
<p>RECEIVED STATE CORPORATION COMMISSION APR 15 1991 CONSERVATION DIVISION Wichita, Kansas</p> <p style="font-size: 2em; opacity: 0.5; transform: rotate(-45deg);">THIS IS NOT AN INVOICE</p>											
				Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES				
				SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET				
500-207		1	B	SERVICE CHARGE			190	1/10		209	00
500-306		1	B	Mileage Charge	16,000	19	152.000	/75		114	00
500-307				TOTAL WEIGHT			TON MILES	10		15	20
No. B904069		CARRY FORWARD TO INVOICE					SUB-TOTAL		1,267 95		