

# ORIGINAL

SIDE ONE

~~CONFIDENTIAL~~

135-23,511-00-00

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

API NO. 15- \_\_\_\_\_

County Ness

N/2 NE NW Sec. 35 Twp. 16 Rge. 22  East West

4950 Ft. North from Southeast Corner of Section

3300 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

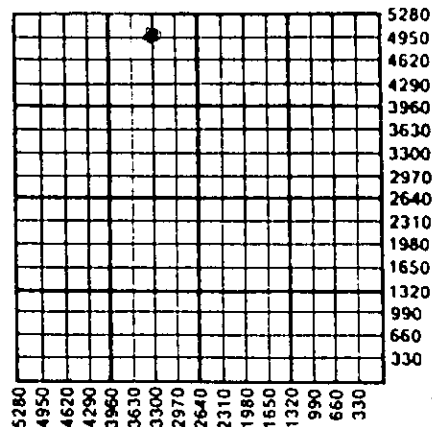
Lease Name BARBER Well # 1

Field Name Brownell South

Producing Formation Cherokee Sand

Elevation: Ground 2383 GL 2388 KB

Total Depth 4400' PBTD \_\_\_\_\_



1-4-91

Amount of Surface Pipe Set and Cemented at 259' Feet

Multiple Stage Cementing Collar Used?  Yes \_\_\_\_\_ No

If yes, show depth set 1692 Feet

If Alternate II completion, cement circulated from 1692

feet depth to 0 w/ 325 sx cmt.

Operator: License # 5146

Name: Rains & Williamson Oil Co., Inc.

Address 220 West Douglas, Suite 435

City/State/Zip Wichita, KS 67202

Purchaser: Clear Creek, Inc.

Operator Contact Person: Juanita Green

Phone ( 316 ) 265-9686

Contractor: Name: Rains & Williamson Oil Co., Inc.

License: 5146

Wellsite Geologist: Monte R. Marrs

Designate Type of Completion

New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover

Oil \_\_\_\_\_ SWD \_\_\_\_\_ Temp. Abd.

\_\_\_\_\_ Gas \_\_\_\_\_ Inj \_\_\_\_\_ Delayed Comp.

\_\_\_\_\_ Dry \_\_\_\_\_ Other (Core, Water Supply, etc.)

If ~~OWMO~~: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary \_\_\_\_\_ Air Rotary \_\_\_\_\_ Cable

10-6-90 10-15-90 11-16-90

Spud Date Date Reached TD Completion Date

**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 Wilson Rains 12-26-1990

Title WILSON RAINS, PRESIDENT Date 10/23/90

Subscribed and sworn to before me this 23 day of October, 1990.

Notary Public Juanita M. Green

Date Commission Expires \_\_\_\_\_

**JUANITA M. GREEN**  
NOTARY PUBLIC  
STATE OF KANSAS  
MY APPT. EXPIRES 10-4-91

**K.C.C. OFFICE USE ONLY**

F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C \_\_\_\_\_ Drillers Timelog Received

Distribution **RELEASED**

\_\_\_\_\_ KCC \_\_\_\_\_ SWD/Rep \_\_\_\_\_ NGPA  
\_\_\_\_\_ KGS \_\_\_\_\_ Plug \_\_\_\_\_ Other

3 (Specify)

FROM CONFIDENTIAL  
Form ACO-1 (7-89)

**CONFIDENTIAL**  
**ORIGINAL**

SIDE TWO

Operator Name Rains & Williamson Oil Co., Inc.

Lease Name BARBER Well # 1

Sec. 35 Twp. 16S Rge. 22  East  West

County Ness

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
(Attach Additional Sheets.)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
(Submit Copy.)

DST #1 4258' - 4298'. 15 0 0 0. Rec. 2' drilling mud. IFP 15# - 33#.

DST #2 4262' - 4302'. 5 15 20. Rec. 90' gas in pipe, 210' gassy oil & watery mud. 420' gassy muddy water with a scum of oil IFP 88#-133#, FFP188#-300#. ISIP 366#.

Name	Formation Description	
	Top	Bottom
Anhydrite	1694	(+ 694)
B/Anhydrite	1731	(+ 657)
Heebner	3776	(-1388)
Lansing	3817	(-1429)
Pawnee	4187	(-1799)
Cherokee Sh.	4293	(-1905)
Cherokee Sd.	4297	(-1909)
L.T.D.	4401	(-2013)

**CASING RECORD**  New  Used  
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	20#	259'	60-40 poz.	160	2% gel, 3% cc.
Production	7 7/8"	5 1/2"	15.50#	4397'	60-40 poz. Halliburton lite	125 325	2% gel, 10% salt 1/4# flowseal

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth

**TUBING RECORD** Size 2 7/8" Set At 4148' Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production 11-16-90 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	3		221		

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

**METHOD OF COMPLETION**

Open Hole  Perforation  Dually Completed  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

RECORDED  
INDEXED  
OCT 19 1990  
N.E.S. 100-1000

# COPY

SIDE ONE

# CONFIDENTIAL

135-23,511-00-00

STATE CORPORATION COMMISSION OF KANSAS  
 OIL & GAS CONSERVATION DIVISION  
 WELL COMPLETION FORM  
 ACO-1 WELL HISTORY  
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 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:  
 Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

10-6-90 10-15-90 11-16-90  
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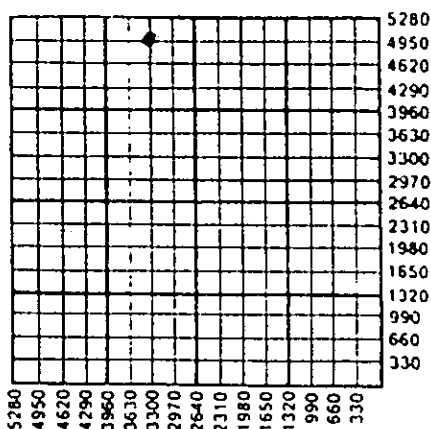
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Signature Wilson Rains 12-26-1990

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K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached  
 C  Wireline Log Received  
 C  Drillers Timelog Received

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

**JUANITA M. GREEN**  
 NOTARY PUBLIC  
 STATE OF KANSAS  
 MY APPT. EXPIRES 10-4-91



INVOICE

HALLIBURTON SERVICES

A Halliburton Company

029518 10/06/1990

BARBER 1		NESS	KS	SAME
NESS CITY	RAINS & WILLIAMSON	CEMENT SURFACE CASING		10/06/1990
ACCT. NO.	CUSTOMER ACCT. NO.	VEN.	CUSTOMER	SHIPPED BY
873241	JIM MICKLE			COMPANY TRUCK 03095

TAUREXCO INC  
125 N MARKET STE 1210  
WICHITA, KS 67202

DIRECT CORRESPONDENCE TO:  
SUITE 1300  
LIBERTY TOWER  
100 BROADWAY AVENUE  
OKLAHOMA CITY, OK 73102-0000

PRICING AREA	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT
000-117	MILEAGE	23	MI	2.35	54.05
		1	UNT		
001-016	CEMENTING CASING	262	FT	440.00	440.00
		1	UNT		
030-503	CMTG PLUG LA-11,CP-1,CP-3, TOP	8	5/8 IN	59.00	59.00
		1	EA		
504-308	STANDARD CEMENT	96	SK	5.45	523.20
506-105	POZMIX A	64	SK	2.88	184.32
506-121	HALLIBURTON-GEL 2X	3	SK	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	4	SK	25.75	103.00
500-207	BULK SERVICE CHARGE	168	CFT	1.10	184.80
500-306	MILEAGE CMTG MAT DEL OR RETURN	165.370	TMI	.75	124.03
INVOICE SUBTOTAL					1,672.40
DISCOUNT-(BID)					250.84-
INVOICE BID AMOUNT					1,421.56
*-KANSAS STATE SALES TAX					40.44
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$1,462.00

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



FORM 1908 R-11

WELL NO. - FARM OR LEASE NAME <b>#1 Barber</b>	COUNTY <b>Neas</b>	STATE <b>Ks.</b>	CITY / OFFSHORE LOCATION	DATE <b>10-17-90</b>
CHARGE TO <b>Tauresco, Inc.</b>	OWNER <b>S. AMP</b>	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 <b>125 North Market Suite 1210</b>	CONTRACTOR <b>Rainey Williamson #11</b>	LOCATION <b>1 Abco City, Ks. 65553</b>	CODE	
CITY, STATE, ZIP <b>Wichita, Ks. 67202</b>	SHIPPED VIA <b>3-80</b>	LOCATION <b>2 Hays, Ks. 65525</b>	CODE	
WELL TYPE <b>01</b>	WELL CATEGORY <b>02</b>	WELL PERMIT NO. <b>B-903623</b>	DELIVERED TO <b>SE/Brownell, Ks.</b>	LOCATION <b>3</b>
TYPE AND PURPOSE OF JOB <b>035</b>			ORDER NO.	REFERRAL LOCATION

In 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 losses. 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	23	mi			0.35	59.05
001-013		1		Pump Charge 1 <sup>st</sup> stage	4100	ft.	1 <sup>st</sup>	stage		1145.00
001-016	001-016	1		Super Flush	18	SKS			74.00	1332.00
018-317		1		Rotating Head	1	ea	5 1/4	in		155.00
019-241		1		Pump Charge 2 <sup>nd</sup> stage	1692	ft.	2 <sup>nd</sup>	stage		950.00
007-161	007-013	1		Insert Valve Flat Shoe	1	ea	5 1/2	in		223.00
26	817.6318	1		Fill-up Unit	1	ea	1	in		30.00
27	815.19311	1		Multiple Stage Cntr	1	ea	5 1/2	in		2450.00
71	813.90300	1		Free Fall Plug Set	1	ea	5 1/2	in		700.00
75	813.0162	1								

THIS IS NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

**B-903623**

**1351.97**

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_

WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_

X Paul Stuparek  
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.

Don Lemman  
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL \_\_\_\_\_

CUSTOMER

SUB TOTAL \_\_\_\_\_

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

DISTRICT Hays, Ks.

DATE 10-14-90

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

WELL NO. #1 LEASE Barber SEC. 35 TWP. 16s RANGE RRW

FIELD \_\_\_\_\_ COUNTY Ness STATE Ks. OWNED BY J. Lane

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 PACKER: TYPE \_\_\_\_\_ D.N. SET AT 1692'  
 TOTAL DEPTH 7100' MUD WEIGHT \_\_\_\_\_  
 BORE HOLE 7 7/8"  
 INITIAL PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF  
 PRESENT PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>4</u>	<u>15.5</u>	<u>5 1/2</u>	<u>KB</u>	<u>4399'</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED   
Cement casing as directed with 1<sup>st</sup> stage 325 sks 60/100 Pz, 2% salt, 10% salt, 6% Cal seal, 6" 1st Gilsonite/sk.  
2<sup>nd</sup> stage 325 sks Hbc 1/4" 1st floccle

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

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

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

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

SIGNED \_\_\_\_\_ CUSTOMER

DATE 10-14-90

TIME 12:15 A.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



# BULK MATERIALS DELIVERY AND TICKET CONTINUATION

P. 2 of 3  
FOR INVOICE AND  
TICKET NO. 028728

DATE <b>10-14-90</b>	CUSTOMER ORDER NO.	WELL NO. AND FARM <b>Barber #1</b>	COUNTY <b>Wase</b>	STATE <b>Kansas</b>
CHARGE TO <b>Taurexco</b>		OWNER <b>Sano</b>	CONTRACTOR <b>R &amp; W Drilg.</b>	
MAILING ADDRESS		DELIVERED FROM <b>Hays, Ks</b>	LOCATION CODE <b>25525</b>	PREPARED BY <b>Kuhn</b>
CITY & STATE		DELIVERED TO <b>S/E Brownell, Ks</b>	TRUCK NO. <b>51252</b>	RECEIVED BY <i>Don Lannon</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
				<b>125Cu. Ft. Pozmix Cement 2X Gal</b>						
<b>504-308</b>	<b>516.00261</b>	<b>2B</b>		<b>Standard Cement</b>	<b>75</b>				<b>5.45</b>	<b>408 75</b>
<b>506-105</b>	<b>516.00286</b>	<b>2B</b>		<b>Pozmix 'A'</b>	<b>50</b>				<b>2.88</b>	<b>144 00</b>
<b>506-121</b>	<b>516.00259</b>	<b>2B</b>		<b>2sk Halliburton Gal 02X</b>						<b>n/c</b>
<b>509-968</b>	<b>516.00315</b>	<b>2B</b>		<b>Salt Blended</b>	<b>599</b>	<b>lb</b>			<b>.00</b>	<b>59 90</b>
<b>508-127</b>	<b>890.50131</b>	<b>2B</b>		<b>Cal Seal Blended</b>	<b>7</b>				<b>19.70</b>	<b>137 90</b>
<b>508-292</b>	<b>70.15573</b>	<b>2B</b>		<b>Gilsonite Blended</b>	<b>750</b>	<b>lb</b>			<b>.42</b>	<b>315 00</b>

THIS IS NOT AN INVOICE

		Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES	FROM: <i>Don Lannon</i>
		SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET	
<b>500--207</b>	<b>2B</b>				<b>158</b>	<b>1.10</b>
					CU. FEET	<b>173 80</b>
<b>500-306</b>	<b>2B</b>	Mileage Charge	<b>12,999</b>	<b>23</b>	<b>149.489</b>	<b>.75</b>
			TOTAL WEIGHT	LOADED MILES	TON MILES	<b>112 12</b>
No. <b>B903623</b>					CARRY FORWARD TO INVOICE	SUB-TOTAL
						<b>1,351 47</b>

CUSTOMER



# BULK MATERIALS DELIVERY AND TICKET CONTINUATION

P 3 of 3  
FOR INVOICE AND  
TICKET NO. 028478

DATE <b>10-14-90</b>	CUSTOMER ORDER NO.	WELL NO. AND FARM <b>BARBER #1</b>	COUNTY <b>Hess</b>	STATE <b>Kansas</b>
CHARGE TO <b>Taurexco</b>		OWNER <b>Same</b>	CONTRACTOR <b>R &amp; W Drig.</b>	
MAILING ADDRESS		DELIVERED FROM <b>Hays, Ks</b>	LOCATION CODE <b>25525</b>	PREPARED BY <b>Kuhn</b>
CITY & STATE		DELIVERED TO <b>S/E Brownell, Ks</b>	TRUCK NO. <b>0530</b>	RECEIVED BY <i>Ken Roman</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE L D	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
				QTY.	MEAS.	QTY.	MEAS.			
<b>504-316</b>		<b>23</b>	<b>Halliburton Light Cement</b>	<b>325</b>				<b>5.21</b>	<b>1,693</b>	<b>25</b>
<b>507-210</b>	<b>890.50071</b>	<b>23</b>	<b>Flocele Blended</b>	<b>81</b>	<b>lb</b>			<b>3.91</b>	<b>105</b>	<b>30</b>
<b>THIS IS NOT AN INVOICE</b>										
			Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES	CONFIDENTIAL			
			SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET			
<b>500-207</b>		<b>23</b>	SERVICE CHARGE				<b>330</b> CU. FEET	<b>1.10</b>	<b>363</b>	<b>00</b>
<b>500-306</b>		<b>23</b>	Mileage Charge	<b>30,046</b> TOTAL WEIGHT	<b>23</b> LOADED MILES	<b>345.529</b> TON MILES		<b>.75</b>	<b>259</b>	<b>15</b>
No. <b>B903624</b>		CARRY FORWARD TO INVOICE						SUB-TOTAL	<b>2,420.70</b>	

CUSTOMER



**WELL DATA**

FIELD \_\_\_\_\_ SEC *35* TWP *14s* RND *22W* COUNTY *New* STATE *Ks.*

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD. OIL \_\_\_\_\_ SPD. WATER \_\_\_\_\_ SPD. GAS \_\_\_\_\_ MCFD

PRESENT PROD. OIL \_\_\_\_\_ SPD. WATER \_\_\_\_\_ SPD. GAS \_\_\_\_\_ MCFD

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_

PACKER TYPE *D.V.* SET AT *1692*

BOTTOM HOLE TEMP \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH *7100'*

	NEW USED	WEIGHT	SIZE	FROM	TO	REASON FOR ALLOCATION
CASING	<i>U</i>	<i>1155</i>	<i>5 7/8</i>	<i>K8</i>	<i>739</i>	
LINER						
TUBING						
OPEN HOLE						SHOT/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>10-11</i>	DATE <i>10-11</i>	DATE <i>10-11</i>	DATE <i>10-15</i>
TIME <i>1705</i>	TIME <i>1845</i>	TIME <i>1900</i>	TIME <i>0815</i>

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<i>D. Lowman</i>	<i>3580</i>	
<i>B. Crosswhite</i>	<i>Combo</i>	<i>New City, Ks.</i>
<i>M. Owens</i>	<i>51852</i>	
	<i>B-Tit</i>	<i>Hays, Ks.</i>
<i>R. Tarter</i>	<i>SUP.</i>	<i>Hays, Ks.</i>
<i>R. Borrens</i>	<i>0530</i>	
	<i>B-Tit</i>	<i>Hays, Ks.</i>
<i>R. Loghter</i>	<i>3580</i>	
	<i>Combo</i>	<i>New City, Ks.</i>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		<i>Complete</i>
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <i>5 W</i>	<i>1</i>	<i>Howco</i>
HEAD <i>5 1/2</i>	<i>1</i>	<i>Howco</i>
PACKER		
OTHER		

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL-AP

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL-AP

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN.

ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN.

ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN.

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 \_\_\_\_\_ IN.

PERFFAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT *Cement*

DESCRIPTION OF JOB *Cement casing as directed*

JOB DONE THRU: TUBING  CASING  ANNULUS  TRG/ANN.

CUSTOMER REPRESENTATIVE *X / [Signature]*

HALLIBURTON OPERATOR *Don Lowman* COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIONS	YIELD CU.FT./BK.	MIXED LBS./GAL.
<i>1</i>	<i>125</i>	<i>60/10 A</i>	<i>Poz</i>	<i>B</i>	<i>2% gel, 10% salt, 6% Colcol, 6% gibbsite</i>	<i>1.91</i>	<i>14.12</i>
<i>2</i>	<i>325</i>	<i>NLC A</i>	<i>Poz</i>	<i>B.</i>	<i>1/4 1/2 sk floccle</i>	<i>1.71</i>	<i>12.7</i>

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 15-MIN. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET *33.75* REASON *Shoe Joint*

*26'35" = 105 1/2* *1692 = 41 1/4*

PRESLUSH: BBL-GAL \_\_\_\_\_ TYPE \_\_\_\_\_

LOAD & BRDN: BBL-GAL \_\_\_\_\_ PAD: BBL-GAL \_\_\_\_\_

TREATMENT: BBL-GAL \_\_\_\_\_ DISPL. BBL-GAL *106.8*

CEMENT SLURRY: BBL-GAL *31.4* *+ 100%*

TOTAL VOLUME: BBL-GAL \_\_\_\_\_

REMARKS *See Job Log & Chart*

*Thad [Signature] Don, Bruce, & Mike*

*Barbar*  
*10-11-90*

**JOB LOG**

WELL NO. #1 LEASE Barber TICKET NO. 028-122

CUSTOMER Taurusco, Inc. PAGE NO. 1

FORM 2013 R-2

JOB TYPE Cement Linstrip DATE 10/14/90

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1845							Called @ 1745 ready to start On location - Rig laying down DP Setup P.T.
	2105							D.P. laid down - Rig up to run casing
	2200							Company changing plans - Decide to 2 stage - locate D.U. Tool and insert float shoe with fillup assembly
	2230							Wait on shoe + D.U. Tool
	0015							Float equip on loc.
	0035							Start 5 1/2" casing - insert float shoe with fillup on bottom, D.U. Bottle in 1st collar - Comp. Cent. + Baskets D.U. Tool @ 1692'
	0320							Casing on bottom - Drop fillup ball Hook to 5 1/2" casing
	0325							Rig start circulating 5 1/2" casing
	0410							Fin circ - Hook to Howes equip.
	0416	5	2				200	Pump 2281 H <sub>2</sub> O
	0417	6	18				300	Pump 750 gal Super Push
	0419	6	2				350	Pump 2281 H <sub>2</sub> O
	0421	3	3				300	Pump 1 sks gel
	0424	6	31 1/2				275	Start 125 sks 60/80 Pvc, 2' gal, 300 10% salt, 6% Calseal, 6' 1st gibcenda
	0429						200	Fin cut - Wash out pump & lines Release Plug - Start Displ. - H <sub>2</sub> O - 6688
	0432	8	106				200	Start Displ. Mud - 11281
	0446	5	107				200 1350	Plug down - 1st Stage
	0449							Release psi - insert hold.
	0450						1400	Drop D.U. opening bomb.
	0505						1400	Open D.U. with P.T.
							200	Pump off mud from P.T.
	0510							Hook to Rig
	0515							Rig circ casing for 2nd stage
								see P-2 of 2

HALLIBURTON SERVICES  
JOB LOG

WELL NO. #1 LEASE Barber  
CUSTOMER Taurico, Inc.  
JOB TYPE Cont 2 stage L.S.

TICKET NO. 028478  
PAGE NO. 2 of 2  
DATE 10-15-90

FORM 2013 R-2

CHART NO.	TIME	RATE (BBL)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								Cont. from page 1 of 2
	0750							Hook to Howco for 2nd stage
	0752	4					200	Start mixing 325 sk HLF. with 1/4" / sk floccle.
		5						
	0812	6	106				200	Fin mixing cont.
			1/2				100	Pump 1/2 BBI H2O
	0813	5					200	Release Plug - Start Displ.
		6					350	Have only partial Returns.
		7					500	Incr. rate
							525	Return stop & start & stop.
							525	Have cont. stringing in mud to surface.
	0820		71				1300	Plug down - D.V. closed
	0822						1600	Release - D.V. hold closed
	0824						0	Re press & Release.
	0830							Wash up & Pack up.
	0845							Job Complete

Thank You

- D. Loman 71718
- B. Crosswhite 89543
- M. Adams E0237
- R. Logleiter 80719
- R. Barone 51220
- R. Tarter - sup.