

# ORIGINAL

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 # 5030

Name: VESS OIL CORPORATION

Address 8100 E. 22nd North, Bldg. 300

City/State/Zip Wichita, KS 67226

Purchaser: Clear Creek

Operator Contact Person: Bill Horigan

Phone ( 316 ) 682-1537

Contractor: Name: L. D. DRILLING, INC.

License: 6039

Wellsite Geologist: Kim Shoemaker

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

10-28-90 11-03-90 11-19-90  
Spud Date Date Reached TD Completion Date

API No. 15- 009-24,443 00.00

County BARTON ✓

150' S  
SE SE NE Sec. 24 Twp. 16S Rge. 13  East West

2820 ✓ Ft. North from Southeast Corner of Section

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

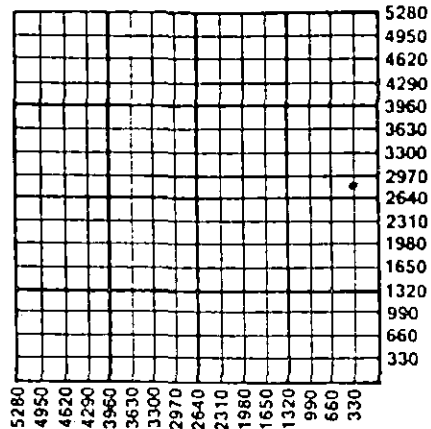
Lease Name CHRISTIANS "AA" ✓ Well # 1

Field Name Christians

Producing Formation Arbuckle

Elevation: Ground 1928' KB 1933'

Total Depth 3406' PBDT 3406'



Amount of Surface Pipe Set and Cemented at 350' 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 WR Horigan

Title Operations Manager Date 1/2/91

Subscribed and sworn to before me this 2nd day of January 19 91.

Notary Public Paula K. Driskell

Date Commission Expires June 27, 1994

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

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

**Distribution**

KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
 (Specify)

CONSERVATION DIVISION  
Wichita, Kansas



P1

SIDE TWO

Operator Name VESS OIL CORPORATION Lease Name CHRISTIANS "AA" Well # 1  
 Sec. 24 Twp. 16SRge. 13  East County Barton  
 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.)

SEE ATTACHMENT

Formation Description

Log  Sample

Name Top Bottom

SEE ATTACHMENT

**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"	28#	350'	60/40 Poz	165	2% Gel, 3% CC
Production	7 7/8"	5 1/2"	14#	3401'	standard 40/60 poz	25 135	18% salt, .75% Halad 5# Gilsonite per sk.

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 JSPF	3401-3406'	500 gal. 28%	3401-3406

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	3407	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First Production 11-28-90	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
Estimated Production Per 24 Hours	Oil 11 Bbls. Gas 0 Mcf Water 27 Bbls. Gas-Oil Ratio NA Gravity 37.1

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 3401-3406



ORIGINAL

ATTACHMENT TO ACO-1

Christians AA #1  
SE SE NE  
Sec. 24-16-13W  
Barton County, KS

DST#1 2987-3008           Zone: Topeka  
Times: 30-45-45-60  
Blow: 1st-Blow b1t to 10" in 10 min.  
          2nd-10" blow in 20 min.  
Rec: 150'GIP, 135'MO (60%O, 15'W, 80,000CC)  
IFP: 68-plugging           FFP: Plugging - 120  
ISIP: 783                   FSIP: 730

DST#2 3383-3406           Zone: Arbuckle  
Times: 30-45-45-60  
Blow: BOB, 29 min.  
Rec: 90'GIP, 90'MCO, 90'GMO, 90'MW  
IFP: 72-75                 FFP: 116-136  
ISIP: 1108                 FSIP: 1108

SAMPLE TOPS

Anhydrite	864+1069
Topeka	2773(- 840)
Queen Hill	2962(-1029)
Heebner	3052(-1119)
Toronto	3068(-1135)
Douglas	3081(-1148)
Brown Lime	3135(-1202)
Lansing	3149(-1216)
B/KC	3373(-1440)
Arbuckle	3398(-1465)

RECEIVED  
STATE CORPORATION COMMISSION

JAN 3 1991

CONSERVATION DIVISION  
Wichita, Kansas

# ORIGINAL

## DRILLERS WELL LOG

COMMENCED: 10-28-90  
COMPLETED: 11-03-90

0 - 1110 Surface  
1110 - 3406 Redbed & Shales  
3406 RTD

VESS OIL CORPORATION  
Christians "AA" #1  
150' S SE SE NE  
Sec. 24-16S-13W  
Barton County, Kansas

Elevation: 1928 GL 1933 KB

### FORMATION DATA: (Sample)

Anhy.	864-86	(+1069)
Topeka	2773	(-840)
King Hill	2895	(-962)
Topeka	2992	(-1059)
Heebner	3052	(-1119)
Toronto	3068	(-1135)
Douglas	3081	(-1148)
Brown Lime	3135	(-1202)
LKC	3149	(-1216)
BKC	3373	(-1440)
Arbuckle	3398	(-1465)
RTD	3406	(-1473)

### CASING RECORD:

8 5/8" set @ 350' W/165 sx. 60/40  
Pozmix, 2% Gel, 3% CC  
5 1/2" set @ 3401' W/160 sx.

## A F F I D A V I T

STATE OF KANSAS )  
COUNTY OF BARTON ) <sup>SS</sup>

L. D. DAVIS of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

STATE CORPORATION COMMISSION

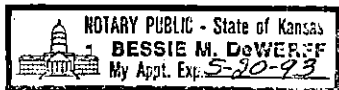
JAN 5 1991

L. D. Davis  
L. D. Davis

Subscribed and sworn to before me this 5th day of November, 1990

My Commission expires: 5-20-93

Bessie M. DeWerff  
Bessie M. DeWerff - Notary Public



FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME <i>Christian AA</i>		COUNTY <i>Barton</i>	STATE <i>Kc</i>	CITY / OFFSHORE LOCATION	DATE <i>10-28-90</i>
CHARGE TO <i>Vess a. l</i>		OWNER <i>Squire</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>L-D</i>		1 LOCATION <i>Cot Bond</i>	CODE <i>25520</i>
CITY, STATE, ZIP		SHIPPED VIA <i>House</i>		2 LOCATION	CODE
WELL TYPE <i>01</i>		WELL CATEGORY <i>01</i>		FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	
WELL PERMIT NO.		DELIVERED TO <i>Location</i>		3 LOCATION	CODE
TYPE AND PURPOSE OF JOB <i>010</i>		ORDER NO. <b>B- 909619</b>		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	23	mi			7.33	168.51
001-016		1		Pumps	350	\$/				1180.00
030-503		1		CP-1 Plug 2 5/8	1	ea				59.00

THIS IS NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

**B- 909619**

1103.77

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

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

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

X CUSTOMER OR HIS AGENT (PLEASE PRINT)  
*[Signature]*

X CUSTOMER OR HIS AGENT (SIGNATURE)  
*[Signature]*

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

*[Signature]*  
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

CUSTOMER

SUB TOTAL

1196.82

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

# BULK MATERIALS DELIVERY AND TICKET CONTINUATION



FOR INVOICE AND TICKET NO. 037057

ORIGINAL

DATE <b>10-28-90</b>	CUSTOMER ORDER NO.	WELL NO. AND FARM <b>Christian AA-1</b>	COUNTY <b>Barton</b>	STATE <b>Ks.</b>
CHARGE TO <b>Vess Oil</b>		OWNER <b>Same</b>	CONTRACTOR <b>L.D. Drilling</b>	
MAILING ADDRESS		DELIVERED FROM <b>Gt. Bend, Ks.</b>	LOCATION CODE <b>25520</b>	PREPARED BY <b>K.M. Sheets</b>
CITY & STATE		DELIVERED TO <b>Location</b>	TRUCK NO. <b>0977-6660</b>	RECEIVED BY <i>[Signature]</i>

No. **B 909619**

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
				160 40% Pozmix 60% Cement 2% Gel							
504-308	516.00261	1	b	Standard Cement	96	sk			5.35	513.60	
506-105	516.00286	1	b	Pozmix A	64	sk			2.79	178.56	
506-121	516.00259	1	b	3 Halliburton Gel 2% allowed						NC	
509-406	890.50812	1	b	Calcium Chloride 3% W/160	4	sk			25.75	103.00	
THIS IS NOT AN INVOICE											
				Returned Mileage Charge							
				TOTAL WEIGHT			CONCRETE DIVISION UNLOADED MILES		TON MILES		
				SERVICE CHARGE ON MATERIALS RETURNED					CU. FEET		
500-207		1	b	SERVICE CHARGE					CU. FEET 168	1.10 184.80	
500-306		1	b	Mileage Charge	14,355		23		165.08	.75 123.81	
No. <b>B909619</b>							CARRY FORWARD TO INVOICE		SUB-TOTAL		<b>1103.77</b>

CUSTOMER

WORK ORDER CONTRACT  
AND PRE-TREATMENT DATA

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 037057

DISTRICT Pratt ORIGINAL DATE 10-28-90

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Vess 011 (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 1 LEASE Christian A A SEC. 24 TWP. 16 RANGE 13  
FIELD \_\_\_\_\_ COUNTY Barton STATE \_\_\_\_\_ OWNED BY \_\_\_\_\_

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING				<u>8 5/8</u>	<u>0</u>	<u>350</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 surface 160 <sup>40</sup> 2% Gel 3% CC

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

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

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

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

SIGNED \_\_\_\_\_ DATE 10-28-90 TIME 5:30 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

CUSTOMER: *11482*  
LEASE: *Christina BA*  
WELL NO.: \_\_\_\_\_  
JOB TYPE: \_\_\_\_\_

**WELL DATA**

FIELD \_\_\_\_\_ SEC. *24* TWP. *16* RNG. *13* COUNTY *Barton* 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			<i>7 7/8</i>	<i>0</i>	<i>350</i>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**TOOLS AND ACCESSORIES**

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

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>10-28</i>	DATE <i>10-28</i>	DATE <i>10-28</i>	DATE <i>10-28</i>
TIME <i>1:30</i>	TIME <i>5:00</i>	TIME <i>8:00</i>	TIME <i>9:00</i>

**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 \_\_\_\_\_

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<i>Krentzel 26414</i>		
<i>Gordley 28500</i>	<i>79113</i>	<i>Oil Field</i>
<i>Folk D5099</i>	<i>0977</i> <i>1660</i>	<i>Oil Field</i>

DEPARTMENT *Cement*

DESCRIPTION OF JOB *Cement Surface*

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE *X [Signature]*

HALLIBURTON OPERATOR *[Signature]* COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF BAGS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<i>160</i>	<i>100</i>		<i>B</i>	<i>28 Cool 30</i>	<i>1.37</i>	<i>11.5</i>

**PRESSURES IN PSI**

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

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

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

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

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

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

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

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

FEET *10* REASON *Request*

**SUMMARY**

JAN. 5 1999 VOLUMES

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

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

TREATMENT: BBL-GAL \_\_\_\_\_ DISPL: BBL-GAL *71.2*

CEMENT SLURRY: BBL-GAL *36*

TOTAL VOLUME: BBL-GAL *57.11*

REMARKS \_\_\_\_\_





ORIGINAL

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME #1 CHRISTIAN AA		COUNTY BARTON	STATE KS	CITY / OFFSHORE LOCATION	DATE 11-3-90
CHARGE TO Vess OIL		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 L.D. DRUG	LOCATION 1 Girbend		CODE 25520
CITY, STATE, ZIP		SHIPPED VIA COTRKS	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2
WELL TYPE OIL OIL	WELL CATEGORY OIL-DEV	WELL PERMIT NO. API #15-009-24443	DELIVERED TO LOCATION		CODE 3
TYPE AND PURPOSE OF JOB O35		B-909635	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	23	mi			2 <sup>35</sup>	54 05
000-118		1		MILEAGE SURCHARGE	23	mi			.40	9 20
001-016		1		Pump CHARGE	3408	ft			1095 <sup>00</sup>	1095 00
030-018		1		5 WIPER PLUG	1	EA	5 1/2		53 <sup>00</sup>	53 00
12A	825.205	1		GUIDE SHOE	1	EA	5 1/2		104 <sup>00</sup>	104 00
40	807.93022	1		CENTRALIZERS	6	EA	5 1/2		44 <sup>00</sup>	264 00
24A	815.19251	1		INSERT FLOAT VALVE	1	EA	5 1/2		83 <sup>00</sup>	83 00
27	815.193112	1		FILL UP ASSEY	1	EA			30 <sup>00</sup>	30 00
320	800.8883	1		BASKET	1	EA	5 1/2		90 <sup>00</sup>	90 00
66	807.64031	1		EAS GRIP LIFT-DUMP	1	EA	5 1/2		11.30	11 30
018-317		1		SUPPLY FLASH	12	SKS			74 <sup>00</sup>	888 00

NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-909635 2191 56

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

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

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

X BOB DUNDON  
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.

Carl Baumer  
HALLIBURTON OPERATOR

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

CUSTOMER

SUB TOTAL 4813 11

APPLICABLE TAXES WILL BE ADDED ON INVOICE

# BULK MATERIALS DELIVERY AND TICKET CONTINUATION



FOR INVOICE AND TICKET NO. 058879

DATE <b>11-3-90</b>	CUSTOMER ORDER NO.	WELL NO. AND FARM <b>Christan AA-1</b>	COUNTY <b>Barton</b>	STATE <b>Ks.</b>
CHARGE TO <b>Vess Oil</b>		OWNER <b>V ess Oil</b>	CONTRACTOR <b>L. D. Drlg.</b>	No. <b>B 909635</b>
MAILING ADDRESS		DELIVERED FROM <b>Great Bend, Ks.</b>	LOCATION CODE <b>25520</b>	PREPARED BY <b>S.C. Henry</b>
CITY & STATE		DELIVERED TO <b>Location</b>	TRUCK NO. <b>1540-6606</b>	RECEIVED BY <i>C. Bessmer</i>

PRICE REFERENCE.	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
504-308	516.00261	1	B	Standard Cement	45	sk			5.35	240.75
				135 40%pozmix/60%Cement						
504-308	516.00261	1	B	Standard Cement	81	sk			5.35	433.35
506-105	516.00286	1	B	Pozmix A	54	sk			2.79	150.66
506-121	516.00259	1	B	2 Halliburton Gel 2% allowed						NC
509-968	516.00315	1	B	Salt Blended 18%W/135	1150	lb.			.10	115.00
509-968	516.00158	1	B	Salt not mixed	400	lb.			.10	40.00
508-292	70.15573	1	B	Gilsonite Blended 5#W/135	700	lb.			.42	294.00
507-775	516.00144	1	B	Halad 322 Blended .75% W/135	87	lb.			5.75	500.25
<b>THIS IS NOT AN INVOICE</b>										
500-307		1	B	Surcharge	211.70				.10	21.17
				Returned Mileage Charge						
				TOTAL WEIGHT	LOADED MILES	TON MILES				
				SERVICE CHARGE ON MATERIALS RETURNED	JAN. 5 1991	CU. FEET				
500-207		1	B	SERVICE CHARGE	CONSERVATION DIVISION	CU. FEET	216		1.10	237.60
500-306		1	B	Mileage Charge	18,409	LOADED MILES	23	TON MILES	211.70	158.78
No. <b>B909635</b>				CARRY FORWARD TO INVOICE			SUB-TOTAL			<b>2191.56</b>

CUSTOMER

DISTRICT Great Bend ORIGINAL DATE 11-3-90

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

WELL NO. 1 LEASE CHRISTIAN AA SEC. 24 TWP. 16 RANGE 13  
FIELD \_\_\_\_\_ COUNTY BAKTON 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	MUD WEIGHT							
BORE HOLE								
INITIAL PROD: OIL _____ BPD, H <sub>2</sub> O _____ BPD, GAS _____ MCF								
PRESENT PROD: OIL _____ BPD, H <sub>2</sub> O _____ BPD, GAS _____ MCF								
		CASING	<u>u</u>	<u>14</u>	<u>5 1/2</u>	<u>GL</u>	<u>3408</u>	<u>TP</u>
		LINER						
		TUBING						
		OPEN HOLE			<u>7 7/8</u>	<u>3406</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" PRODUCTION CASING W/ 25 SKS STANDARD  
135 SKS 40/60 Pore 1870 SALT, 75% HALAD 322, 5" 6" PER SK  
20 BBL SALT Flush, 12 BBL Super Flush

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.

SIGNED REG DAVIDSON CUSTOMER

DATE 11-3-90

TIME 0800 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

CUSTOMER *less OIL*  
 LEASE *CHRISTIAN MA*  
 WELL NO. *# 1*  
 JOB TYPE *5 1/2" PROD STRIKER*  
 DATE *11-3-90*

**WELL DATA**

FILED \_\_\_\_\_ SEC. *24* TWP. *16* RNG. *13* COUNTY *BARTON* 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	<i>U</i>	<i>14</i>	<i>5 1/2</i>	<i>KB</i>	<i>3408</i>	<i>TP</i>
LINER						
TUBING						
OPEN HOLE			<i>7 1/8</i>		<i>3406</i>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FEATHER COLLAR <i>Auto Fill up</i>	<i>1</i>	<i>Howco</i>
CLAMP ORICE <i>INSECT</i>	<i>1</i>	<i>"</i>
GUIDE SHOE <i>5 1/2</i>	<i>1</i>	<i>Howco</i>
CENTRALIZERS <i>5 1/2</i>	<i>6</i>	<i>"</i>
BOTTOM PLUG		
TOP PLUG <i>5 1/2</i>	<i>1</i>	<i>"</i>
HEAD <i>BASKET 5 1/2</i>	<i>1</i>	<i>"</i>
PACKER <i>Limit Clamp</i>	<i>1</i>	<i>"</i>
OTHER		

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>11-3</i>	DATE <i>11-3</i>	DATE <i>11-3</i>	DATE <i>11-3</i>
TIME <i>0330</i>	TIME <i>0500</i>	TIME <i>0645</i>	TIME <i>0800</i>

**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 \_\_\_\_\_

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<i>C. BAUMAN 88531</i>	<i>3244</i>	
<i>G. BLESSING 5210</i>	<i>Comb</i>	<i>GT Bend</i>
	<i>1540-6606</i>	
<i>D. DOBERTZ 80022</i>	<i>BULK</i>	<i>"</i>

DEPARTMENT *CMT*

DESCRIPTION OF JOB *5 1/2" PROD STRIKER*

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE *X*

HALLIBURTON OPERATOR *Carl Bauman* COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./BK.	MIXED LBS/GAL.
	<i>25</i>	<i>STANDARD</i>		<i>B</i>		<i>1.18</i>	<i>15.6</i>
	<i>135</i>	<i>40/60</i>			<i>1870 SALT, .75% HALFO 322, 5% G.L.</i>	<i>1.31</i>	<i>14.52</i>

**PRESSURES IN PSI**

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

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

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

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

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

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

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

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

FEET *19.50* REASON *Shoe JT.*

**SUMMARY**

PRESLUSH: BBL-GAL *20-12* TYPE *SALT - Superflish*

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

TREATMENT: BBL-GAL \_\_\_\_\_ DISPL: BBL-GAL *82.6*

CEMENT SLURRY: BBL-GAL *36.75*

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

**REMARKS**

*CENTRALIZERS 1-4-6-9-10-12*

**JOB LOG**

ORIGINAL

WELL NO. 41

LEASE CHRISTIAN AM

TICKET NO. D58879

FORMER Vess OIL

PAGE NO.

FORM 2013 R-2

JOB TYPE 5 1/2 PROD STRING

DATE 11-3-90

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (EST)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0330							called out
	0500							on loc
								Run float Equipment
	0650	6	20				200	Run salt flush
		6	12				200	Run Super flush
	0700		4					Plug RAT Hole
	0713	6	0				500	START MIXING CEMENT
			36.75					FINISH MIXING CEMENT
								Clear Lines
								Release Plug
	0725	7 1/2	0					START DISP
	0735		82.6				1000	Plug Down
							yes	Float Held
								Release
								Wash up
								Rack up
								Job Complete
								THANK YOU
								CALL
								GARY
								Down

CUSTOMER