

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- 009-24,488-0000

County Barton
W/2 W/2 E/2 Sec. 12 Twp. 20 Rge. 12 East West
2640 Ft. North from Southeast Corner of Section
2310 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Operator: License # 6039
Name: L. D. Drilling, Inc.
Address RR 1 Box 183 B
Great Bend, Kansas 67530
City/State/Zip _____

Lease Name SCHARTZ Well # 5
Field Name Chase-Silica
Producing Formation Arbuckle

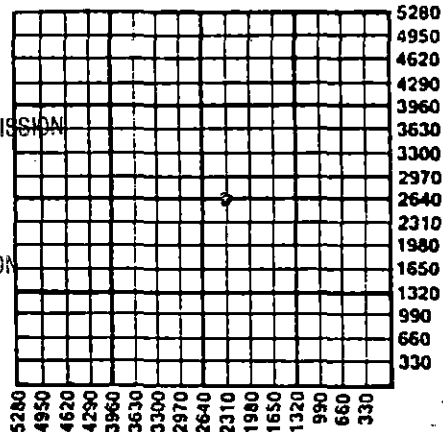
Purchaser: Clear Creek
Operator Contact Person: L. D. Davis
Phone (316) 793-3051

Elevation: Ground 1786' KB 1791'
Total Depth 3400' PBTD 3400'

Contractor: Name: L. D. Drilling, Inc. 11-14-91
License: 6039
Wellsite Geologist: Kim Shoemaker

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CONSERVATION DIVISION
Wichita, Kansas

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)



If ~~OLD~~ old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Amount of Surface Pipe Set and Cemented at 300' 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.

Drilling Method:
 Mud Rotary Air Rotary Cable
Oct 22, 1991 10-27-91 10-30-91
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.

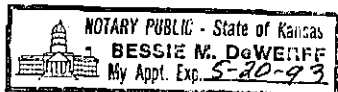
Signature L. D. Davis L. D. Davis
Title President Date 11-06-91

Subscribed and sworn to before me this 6th day of November, 19 91.

Notary Public Bessie M. DeWerff Bessie M DeWerff

Date Commission Expires 5-20-93

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)



PI

Operator Name L. D. Drilling, Inc.

Lease Name Schartz

Well # 5

Sec. 12 Twp. 20 Rge. 12
 East
 West

County Barton

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 3315-3344 Arbuckle
TIMES: 15-20
BLOW: 1st open: weak blow died in 4 min.
REC: 2' OCM
IFP: 22-22
ISIP: 70
Dst #2 on separate paper

| Formation Description | | |
|-----------------------|------------------------------|--|
| | <input type="checkbox"/> Log | <input checked="" type="checkbox"/> Sample |
| Name | Top | Bottom |
| Heebner | 2957 | (-1166) |
| Toronto | 2976 | (-1185) |
| Douglas | 2989 | (-1198) |
| Brn. Lime | 3081 | (-1290) |
| LKC | 3099 | (-1308) |
| Base KC | 3310 | (-1519) |
| Arb. | 3335 | (-1544) |
| RTD | 3400 | (-1609) |

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 | 300' | 60/40 Poz | 180 | 2% Gel, 3% CC |
| Production | 7 7/8 | 5 1/2" | | 3396' | 60/40 Poz | 160 | 18% salt, 75% hal. 322 5# Gilsonite per sack |

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

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

| | | | |
|-------|-----------|--------------------------------------|-----------|
| 4 spf | 3347-3351 | 350 gal. 28% Double Strength FF Acid | 3347-3351 |
|-------|-----------|--------------------------------------|-----------|

TUBING RECORD

Size 2 7/8" Set At 3393' Packer At _____ Liner Run Yes No

Date of First Production October 30, 1991 Producing Method Flowing Pumping Gas Lift Other (Explain)

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | 50 | | 150 | | |

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

3347-3351

ORIGINAL

15.009.24488.0000

Attachment to ACO-1

Lease: SCHARTZ #5
W/2 W/2 E/2
Sec 12-20S-12W
Barton County, Kansas

Operator: L. D. Drilling, Inc.
RR 1 Box 183 B
Great Bend, Kansas 67530

DST: #2 3341-3359 Arbuckle
TIMES: 45-45-45-45
BLOW: 1st open: bb in 30 min.
2nd open: blt to 7"
REC: 90' gip, 150' cgo, 50' ocmw, 130' water W/skim oil
IFP: 24-62 FFP: 91-124
ISIP: 964 FSIP: 945

RECEIVED
STATE CORPORATION COMMISSION

NOV 14 1991

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

NEW

15.009.24488.0000

| | | | | | | | | | | | | | | | | |
|-------|----------|----------|----|----------|----|-------|----|---------------------------|------------|-------------|-----------|-----------|-----------|--------|-----------|--|
| Date | 10-22-91 | Sec. | 12 | Twp. | 20 | Range | 12 | Called Out | 11:30 A.M. | On Location | 1:45 P.M. | Job Start | 3:00 P.M. | Finish | 3:45 P.M. | |
| Lease | Schantz | Well No. | #5 | Location | | | | Harts corner Ellwood Hwy. | County | Barton | State | KS | | | | |

| | | | |
|---------------------|------------|------------|---------|
| Contractor | L. D. Drlg | | |
| Type Job | Surface | | |
| Hole Size | 12 1/4' | T.D. | 300' |
| Csg. | 8 5/8 | Depth | 300' |
| Tbg. Size | | Depth | |
| Drill Pipe | | Depth | |
| Tool | | Depth | |
| Cement Left in Csg. | 15' | Shoe Joint | |
| Press Max. | | Minimum | |
| Meas Line | | Displace | 18 bbb. |
| Perf. | | | |

| | |
|---|----------------------------|
| Owner | 1/2 S, W/4 into Same |
| To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. | |
| Charge To | L. D. Drlg Inc. |
| Street | RR 1 Box 183 B |
| City | Great Bend State Ks. 67530 |
| The above was done to satisfaction and supervision of owner agent or contractor. | |
| Purchase Order No. | |
| X | <i>[Signature]</i> |
| CEMENT | |

EQUIPMENT

| | | | |
|---------|-----|----------|------|
| # | No. | Cementer | Tim |
| Pumptrk | 181 | Helper | Gary |
| # | No. | Cementer | |
| Pumptrk | | Helper | |
| # | | Driver | Mark |
| Bulktrk | 101 | Driver | |

| | |
|----------------------|-------------------------------|
| Amount Ordered | 180 SKS 60/40 390cc, 290 Gel, |
| Consisting of | |
| Common | 108 5.25 567.00 |
| Poz. Mix | 72 2.25 162.00 |
| Gel. | 4 6.75 NIC |
| Chloride | 5 21.00 105.00 |
| Quickset | |
| Handling | 180 1.00 180.00 |
| Mileage | 12 86.40 |
| Sub-Total | |
| Total 1100.40 | |

| | | |
|----------------------|-------------------|--------|
| DEPTH of Job | | |
| Reference: | Pumptrk Charge | 380.00 |
| 12 | Pumptrk Mileage | 24.00 |
| 1 | 8 5/8 Wooden Plug | 42.00 |
| Sub-Total | | |
| Total | | 446.00 |

| | |
|--------------------|------------|
| Floating Equipment | |
| Total | \$ 1546.40 |
| Disc - | 231.96 |
| | \$ 1314.44 |

Remarks: Cement Did Circulate

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 STATE CORPORATION COMMISSION

Allied Cementing
 By Tim Jackson

NOV 14 1991

CONSERVATION DIVISION
 Wichita, Kansas



TICKET NO. 197116-7

15.009.24488.0000

FORM 1906 R-11

| | | | | | |
|--|---|---|---------------------|---|-------------------------|
| WELL NO. - FARM OR LEASE NAME #5 Schartz | | COUNTY Wagon | STATE Ks. | CITY / OFFSHORE LOCATION | DATE 10-27-91 |
| CHARGE TO L.D. Drilling Inc. | 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 | LOCATION 1 | | CODE 35020 | |
| CITY, STATE, ZIP | SHIPPED VIA Comb. 5/1997 | FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT | | LOCATION 2 | |
| WELL TYPE Oil | WELL CATEGORY Oil Development | DELIVERED TO L.D. Drilling | | LOCATION 3 | |
| WELL PERMIT NO. | ORDER NO. | REFERRAL LOCATION | | CODE | |
| TYPE AND PURPOSE OF JOB Production Service | | B-978334 | | | |

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 to be free from defect 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 ON THE QUALITY CERTIFICATE. Halliburton's liability and customer's obligations remain in any case of defect (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any product, supplies or materials is expressly limited to the replacement of such product, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance in the amount 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 | | |
| 005-117 | | 1 | | MILEAGE | 11 | mi. | | | 2.60 | 28.60 |
| 001-016 | | 1 | | Pump Charge | 3376 | ft. | | | | 1185.00 |
| 030-018 | | 1 | | 5-1/2 Plug | 1 | ea. | 5 | 1/2 | 60.00 | 60.00 |
| 12A | 825.205 | 1 | | Guide Shoe | 1 | ea. | 5 | 1/2 | 105.00 | 105.00 |
| 24A | 815.19251 | 1 | | Insert Flank Valve | 1 | ea. | 5 | 1/2 | 83.00 | 83.00 |
| 27 | 815.19311 | 1 | | Auto Fillup Tube | 1 | ea. | 1 | | 30.00 | 30.00 |
| 40 | 807.93022 | 1 | | Controlizers | 3 | ea. | 5 | 1/2 | 44.00 | 132.00 |
| 012-317 | | 1 | | Superficial | 12 | ea. | 500 | gals | 87.00 | 996.00 |

THIS IS NOT AN INVOICE

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STATE CORPORATION COMMISSION
NOV 14 1991
CONSERVATION DIVISION
Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-978334** 2000.57

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

[Signature]
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.

[Signature]
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____

CUSTOMER _____

SUB TOTAL **41410.19**

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

BULK MATERIALS DELIVERY

AND

ORIGINAL

TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 197116

SERVICES

Division of Halliburton Company

15.009.24488.0000

| | | | | |
|---|--------------------|--|------------------------------------|-----------------------------------|
| DATE 10-27-91 | CUSTOMER ORDER NO. | WELL NO. AND FARM | COUNTY BARTON | STATE KS. |
| CHARGE TO L.D. DRILLING, Inc. | | OWNER L.D. DRILLING | CONTRACTOR L.D. DRILLING | No. B 978334 |
| MAILING ADDRESS | | DELIVERED FROM GREAT BEND, KS. | LOCATION CODE 25520 | PREPARED BY W.R. MOUSER |
| CITY & STATE | | DELIVERED TO | THUCK NO. 2656-6605 | RECEIVED BY <i>A.H. M...</i> |
| | | LOCATION | | |

| PRICE REFERENCE | SECONDARY REF. OR PART NO. | CODE | | DESCRIPTION | UNITS 1 | | UNITS 2 | | UNIT PRICE | AMOUNT |
|---------------------|----------------------------|------|---|--------------------------------------|--------------------------|--------------|-----------|-------|------------|--------|
| | | L | D | | QTY. | MEAS. | QTY. | MEAS. | | |
| | | | | 160 40/60 POZMIX 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 | | | 3.29 | 210 56 |
| 506-121 | 516.00259 | 1 | B | 3 HALLIBURTON GEL 2% ALLOWED | | | | | | NC |
| 509-968 | 516.00317 | 1 | B | SALT MIXED 18% W/160 | 1,400 | LB | | | .10 | 140 00 |
| 509-968 | 516.00158 | 1 | B | SALT NOT MIXED | 400 | LB | | | .10 | 40 00 |
| 508-292 | 70.15573 | 1 | B | GILSONITE MIXED 5LB W/75 | 400 | LB | | | .47 | 188 00 |
| 507-775 | 570.00144 | 1 | B | HALAD-322 .75% W/160 | 103 | LB | | | 6.15 | 633 45 |
| | | | | Returned Mileage Charge | TOTAL WEIGHT | LOADED MILES | TON MILES | | | |
| | | | | SERVICE CHARGE ON MATERIALS RETURNED | | | CU. FEET | | | |
| 500-207 | | 1 | B | SERVICE CHARGE | | | CU. FEET | 194 | 1.15 | 223 10 |
| 500-306 | | 1 | B | Mileage Charge | 16,338 | 11 | TON MILES | 89.85 | .80 | 71 88 |
| No. B 978334 | | | | | CARRY FORWARD TO INVOICE | | SUB-TOTAL | | 2,020 59 | |

THIS IS NOT AN INVOICE

STATE RECEIVED
CONSERVATION COMMISSION
NOV 14 1991
CONSERVATION DIVISION
Wichita, Kansas

CUSTOMER

DISTRICT Great Bend DATE 10-27-91

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

WELL NO. 5 LEASE Schantz SEC 12 TWP. 20 RANGE 12

FIELD _____ COUNTY Repton STATE KS OWNED BY Sc...

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>U</u> | <u>11 3/8</u> | <u>5 1/2</u> | <u>KB</u> | <u>3396</u> | |
| LINER | | | | | | | |
| TUBING | | | | | | | |
| OPEN HOLE | | | | <u>9 7/8</u> | <u>3396</u> | <u>3400</u> | SHOTS/FT. |
| PERFORATIONS | | | | | | | |
| PERFORATIONS | | | | | | | |
| PERFORATIONS | | | | | | | |

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Cost 5 1/2 Production Casing Set at 3396 ft with 85 lbs 10-60 pipe 1 1/2" ID
75% H.I. 1-3-3-2 And 75% H.I. 1-3-3-2
And 5th Cement Packer (400 lbs Salt 500 lbs Cement 100 lbs Water)
sup. block for 500 lbs cement packer

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 negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act of 1975 as amended, as applied to this contract, as 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 to this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

NOV 14 1991

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

CONSERVATION DIVISION
Wichita, Kansas

SIGNED AKA D. D. D. D. CUSTOMER

DATE 10-27-91

TIME 11:30 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

HALLIBURTON DIVISION

OKLAHOMA CITY 15.009.24488.0000

MARY

HALLIBURTON LOCATION

Great Bend

BILLED ON TICKET NO. 197116

WELL DATA

SEC. 12 TWP. 20 RNG. 12 COUNTY Barton STATE KS

TYPE
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

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAXIMUM PSI ALLOWABLE. Includes handwritten 'ORIGINAL 778' and values like 5 1/2, KB, 3396, 3400.

JOB DATA

Table with columns: CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Includes dates and times for 10/26 and 10/27.

TOOLS AND ACCESSORIES

Table with columns: TYPE AND SIZE, QTY., MAKE. Lists items like FLOAT COLLAR, FLOAT SHOE, GUIDE SHOE, CENTRALIZERS, BOTTOM PLUG, TOP PLUG, HEAD, PACKER, OTHER.

PERSONNEL AND SERVICE UNITS

Table with columns: NAME, UNIT NO. & TYPE, LOCATION. Lists personnel like S Gossner, D Scott, B Mouser and their units.

MATERIALS

TREAT. FLUID DENSITY LB/GAL-API
DISPL. FLUID DENSITY LB/GAL-API
PROP. TYPE SIZE LB.
ACID TYPE GAL. %
SURFACTANT TYPE GAL. IN.
NE AGENT TYPE GAL. IN.
FLUID LOSS ADD. TYPE GAL.-LB. IN.
GELLING AGENT TYPE GAL.-LB. IN.
FRIC. RED. AGENT TYPE GAL.-LB. IN.
BREAKER TYPE GAL.-LB. IN.
BLOCKING AGENT TYPE GAL.-LB.
PERFPAC BALLS TYPE QTY.
OTHER

DEPARTMENT
DESCRIPTION OF JOB
JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE
HALLIBURTON OPERATOR
COPIES REQUESTED

CEMENT DATA

Table with columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK., MIXED LBS./GAL. Includes handwritten values for stages 85 and 75.

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING DISPLACEMENT
BREAKDOWN MAXIMUM
AVERAGE FRACTURE GRADIENT
SHUT-IN: INSTANT 5-MIN. 15-MIN.
HYDRAULIC HORSEPOWER
ORDERED AVAILABLE USED
AVERAGE RATES IN BPM
TREATING DISPL. CEMENT LEFT IN PIPE
REMARKS
RECEIVED Centralizers on 1-3-5
NOV 14 1991

OG

2013 R-2

CUSTOMER L.D. Drilg, Inc TICKET NO. 15.009.24488.0000
 JOB TYPE 5 1/2 Longstring PAGE NO. 10.27.91
 DATE 10.27.91

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | 2030 | | | | | | | Called Out 10-26-91 |
| | 2330 | | | | | | | ORIGINAL Location 10-26-91 |
| | 0415 | | | | | | | Drop Ball - Break Circ 10-27-91 |
| | 0420 | | | | | | | Rig up To Howco |
| | 0435 | 6 | 20 | | | | 300 | Pump Salt Flush |
| | 0438 | 6 | 5 | | | | 300 | H2O Spacer |
| | 0439 | 6 | 12 | | | | 300 | Super Flush-K |
| | 0441 | 6 | 5 | | | | 350 | H2O Spacer |
| | 0443 | 5 | 0 | | | | 350 | Start mixing Cont |
| | 0450 | 5 | 36.46 | | | | 300 | Finish mixing Cont |
| | 0451 | | | | | | | Close In - Clear line |
| | 0453 | | | | | | | Release Plug |
| | 0458 | 8 | 0 | | | | | Start Disp |
| | 0508 | | 82.78 | | | | 1000 | Plug Down |
| | 0510 | | | | | | -0- | Released Held |
| | 0451 | | 2.35 | | | | | Plug Rat Hole w/ 10SKS |

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 STATE CORPORATION COMMISSION
 NOV 14 1991
 CORPORATION DIVISION
 Wichita Kansas

Job Complete
 Thank you

CUSTOMER