

ORIGINAL

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

Operator: License # 31371

Name: Mike McNaul

Address 720 N. Main
Hutchinson

City/State/Zip Kansas 67502

Purchaser: Texaco

Operator Contact Person: Mike McNaul

Phone (316) 662-0455 / 665-5400

Contractor: Name: Emphasis Drilling

License: 8241

Wellsite Geologist: J.M. Hadix

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info

Operator: 3-9-1994

Well Name: MAR 0 9 1994

Comp. Date Old Total Depth

Deepening Re-perf. Completion KGS
 Plug Back PSTD
 Comingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

1-6-94 1-15-94 1-21-94
Spud Date Date Reached TD Completion Date

API NO. 15- 095-21,687-0000

County Kingman

Se Ne Se Sec. 14 Twp. 27s Rge. 10w E W

1650 Feet from NW (circle one) Line of Section

330 Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, NW or SW (circle one)

Lease Name Dyche Well # 1-A

Field Name Dresden

Producing Formations Viola Mississippian Chert

Elevation: Ground 1741 KB 1746

Total Depth 4350 PSTD

Amount of Surface Pipe Set and Cemented at 328.59 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 cnt.

Drilling Fluid Management Plan ALT 1 JH 11-23-94
(Data must be collected from the Reserve Pit)

Chloride content ppm Fluid volume bbls

Dewatering method used

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

 Quarter Sec. Twp. S Rng. E/W

County Docket No.

RECEIVED
KANSAS CORPORATION COMMISSION
3-9-1994
MAR 0 9 1994

CONSERVATION DIVISION

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report 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.

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 Mike McNaul
Title operator Date 3/9/94
Subscribed and sworn to before me this 9th day of March 19 94.
Notary Public Bonnie J. Gray

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep MGPA
 KGS Plug Other (Specify)

Date Commission Expires 9-26-96

BONNIE J. GRAY
Notary Public - State of Kansas
My App. Expires 9-26-96

Operator Name Mike McNeul Lease Name Dyche Well # 1-A
 Sec. 14 Twp. 27S Rge. 10W East West
 County Kingman

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.)
 List All E.Logs Run:
 CORAL has all curves

| Name | Top | Datum |
|------------|------|-------|
| Her | 1574 | +172 |
| Winf | 1640 | +106 |
| Ind Cave | 2369 | -823 |
| Top | 2965 | -1219 |
| Hb | 3306 | -1560 |
| L-KC | 3496 | -1750 |
| B/KC | 3889 | -2143 |
| Miss Chert | 4013 | -2267 |
| Lime | 4060 | -2305 |
| Kind | 4085 | -2339 |
| Viola | 4278 | -2523 |

| CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> 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 | | 8 5/8" | 20# | 328.59 | 60/40 POZ | 210 | 2% gel 3% CaCl ₂ |
| Production | | 5 1/2" | 14# | 4349 | 60/40 POZ | 225 | 2% gel 10% CaCl ₂ 75% Halite-322 10 lbs Gilsomite |

| ADDITIONAL CEMENTING/SQUEEZE RECORD | | | | |
|---|------------------|----------------|-------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate | | | | |
| <input type="checkbox"/> Protect Casing | | | | |
| <input type="checkbox"/> Plug Back TD | | | | |
| <input type="checkbox"/> Plug Off Zone | | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type | | Acid, Fracture, Shot, Cement Squeeze Record | |
|----------------|---|--|---|-------|
| | Specify Footage of Each Interval Perforated | | Amount and Kind of Material Used | Depth |
| 2 | 4279-82 | | 250/350 gal | |
| 2 | 4018-24 & 4038-42 | | 1500 gal FRAC 100,000# sand x 1800 Bbls X-link gel | |

TUBING RECORD 2 7/8" size Set At 4040' Packer At None Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 2-16-94 Producing Method Flowing Pumping Gas Lift Other (Explain)

| | | | | | |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
| | 12 | 30,000 | 50 | | 40 |

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval: 4018' - 4042'
4279' - 4282'

NATIONAL DEVELOPMENT
Developers Of Modern, Clean Energy Sources And Uses

720 N. MAIN ** SUITE #219 ** HUTCHINSON, KANSAS 67501

RECEIVED
KANSAS CORPORATION COMMISSION

API#15-095-21687

January 16, 1994

MAR 09 1994

WELL REPORT

#1-A D.D. DYCHE CONSERVATION DIVISION Elev : 1741g1, 1746kb
14-27s-10w WICHITA, KS Surf : 8 5/8" @ 328.59' /210sx
Se Ne Se Prod : 5 1/2" @ 4349' /200sx

12-27-1993: Pits dug
29: MIRT Shut down over New Years Holiday weekend
1-6-1994: SPUD well at 4:30am, SET 10jts #20 8 5/8" @
328.59' with 210 sx 60/40 POZ + 3% salt,
2% gel: PD 11:30am...DRILL PLUG @ 11:30pm
1-7 DRLG @ 825' VIS 27-WT 9.1-WL N/A GAS SNIFFER
on loc at 10:30am : GEO on loc at 1:25pm Conn
@ 1309': 1 foot Drilling Time and 10 foot wet
samples at 1550' Top of Chase Group at 1568'
1-8 DRLG @ 1950' VIS 27-WT 9.6-Wtr Loss N/A
1-9 DRLG @ 2664' VIS 27-WT 8.9-WL N/A
1-10 DRLG @ 3250' VIS 27-WT 9.7-WL 0 MUD UP 3178'
Drilled Lansing-Kansas City @ 3494'
DRLG @ 3700' VIS 46-WT 9.1-WL 9.5
1-12 DRLG @ 3995' Bit #2 111.5 hours
VIS 53-WT 9.1-WL 7.6
Drilled into Mississippian Chert at 4006'
@ 7:51am CIRC 60" 4027'
1-13 DRLG @ 4051' VIS 56-WT 9.1-WL-8.0
DST-1 MISS @ 4051' Pipe Strap = 2.42' short
DRILL Viola at 4278' @ 3:17am 1-14-94
CIRC for samples To run DST-2
1-14 Trip out DST-2 @ 4290
VIS 56-WT 9.1-WL 8.4
1-15 Rotary Total Depth @ 4350' Trip out for E-Log
LOST CIRC at TD, add 50sx hulls regained CIRC
1-16 RTD @ 4350' Running Production Casing 128 jts
#14 5 1/2" @ 4349' /200sx 40/60 POZ
Plug Down @8:30am
DRILLING PHASE COMPLETE

GEOLOGICAL INFORMATION

The Douglas developed an upper sand with sli shows of gas. There was a gas kick thru most of the sand/shale section. The upper Lansing also carried shows of oil and gas and also carried a good gas kick thru most of the first 75' of section. The Mississippian developed good

ORIGINAL

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weathering in the upper chert portion and vuggy porosity toward the base, shows of oil and gas were noted thru most of the section DSTed. The CIRC sample carried a 100 unit gas kick. The Viola carried fair to good odor and show of oil.

Shallow Tops:

| | | | | | |
|-----------|------|------|-------|------|-------|
| Her | 1574 | +172 | Stot | 2556 | -810 |
| Kri | 1586 | +160 | Tark | 2636 | -890 |
| Winf | 1640 | +106 | How | 2810 | -1064 |
| Red Eagle | 2228 | -482 | Top | 2965 | -1219 |
| Onaga Sh | 2369 | -623 | QH Sh | 3121 | -1375 |

Deeper Tops:

| | | | | | |
|--------|------|-------|------------|------|-------|
| Heeb | 3306 | -1560 | Cher | 4001 | -2255 |
| Doug | 3351 | -1595 | Miss Chert | 4013 | -2267 |
| Br Lm | 3487 | -1741 | Lime | 4060 | -2305 |
| LansKC | 3496 | -1750 | Kind Sh | 4085 | -2339 |
| Stk | 3792 | -2046 | Viola Lm | 4269 | -2523 |
| B/KC | 3889 | -2143 | Dolo | 4278 | -2532 |
| RTD | 4350 | -2604 | LTD | 4350 | -2604 |

Strap Pipe coming out for DST-1 @ 4051: Board short 2.42'

DST-1 4008-4053 30-60-60-120" Rec: 75' sli oil cut mud
904-84/84-92/92-1106#
HP 1971-1942# 122 F

DST-2 4247-4293 30-60-60-93" Rec: 800' GIP,
300' G&HOCM, 80' G&OCWM, 720' W
1063-146/226-347/517-1058#
HP 2176-2119# 134 F


Based on the shows observed, the DST results, the E-Logs etc, I recommend that pipe be set and the well further tested thru casing. Although the Miss chert DST'ed tight it is felt that a "Preston Style" FRAC would turn this into a good Miss well. The Viola should be given acid prior to working on the Miss.

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 09 1994

CONSERVATION DIVISION
WICHITA, KS

Respectfully submitted,



J.M. Hadix
Geologic Consultant



CHARGE TO:
 ADDRESS: *Mike Mc Naul*
 CITY, STATE, ZIP CODE: *720 W main Hutchinson, KS 67501*

COPY

TICKET

No.

509996 - 3

PAGE 1 OF 1

FORM 1906 R-12

| | | | | | | | |
|--|--|---|---------------------------------|-------------------------------------|-----------------------------------|---------------------------------|------------------------|
| SERVICE LOCATIONS 1: <i>Pratt, KS</i> | WELL/PROJECT NO. <i>A-1</i> | LEASE <i>D.O. Dyche</i> | COUNTY/PARISH <i>Kingman</i> | STATE <i>KS</i> | CITY/OFFSHORE LOCATION | DATE <i>1-16-94</i> | OWNER <i>Samm P</i> |
| 2. | TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES | NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | CONTRACTOR <i>Emphosis</i> | RIG NAME/NO. <i>5</i> | SHIPPED VIA | DELIVERED TO <i>Location</i> | ORDER NO. |
| 3. | WELL TYPE | WELL CATEGORY <i>01</i> | JOB PURPOSE <i>0.35</i> | WELL PERMIT NO. <i>095-21197</i> | WELL LOCATION <i>14-27-10W</i> | | |
| 4. | REFERRAL LOCATION | INVOICE INSTRUCTIONS | | | | | |

FINAL

| PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | | TIME | DESCRIPTION | QTY. | | UNIT PRICE | | AMOUNT |
|---------------------------|-------------------------------------|------------|------|----|------|---------------------------|-------------|------------|--------------|-----|----------------|
| | | LOG | ACCT | DF | | | QTY. | U/M | QTY. | U/M | |
| <i>000-016</i> | <i>CR</i> | <i>1</i> | | | | <i>MILEAGE Round trip</i> | <i>25</i> | <i>mi</i> | <i>2.75</i> | | <i>68.75</i> |
| <i>001-016</i> | <i>C</i> | <i>1</i> | | | | <i>Pump</i> | <i>4350</i> | <i>ft</i> | | | <i>1545.00</i> |
| <i>030-016</i> | | <i>1</i> | | | | <i>5 1/2" top Plug</i> | <i>1</i> | <i>ea</i> | | | <i>60.00</i> |
| <i>12 A</i> | <i>825.205</i> | <i>1</i> | | | | <i>Guide shoe</i> | <i>1</i> | <i>ea</i> | | | <i>121.00</i> |
| <i>24 A</i> | <i>815.19251</i> | <i>1</i> | | | | <i>Insert float</i> | <i>1</i> | <i>ea</i> | | | <i>110.00</i> |
| <i>27</i> | <i>815.19311</i> | <i>1</i> | | | | <i>fill up</i> | <i>1</i> | <i>ea</i> | | | <i>55.00</i> |
| <i>40</i> | <i>807.93022</i> | <i>1</i> | | | | <i>centralizer</i> | <i>9</i> | <i>ea</i> | <i>44.00</i> | | <i>396.00</i> |
| <i>019-315</i> | | <i>1</i> | | | | <i>mud flush</i> | <i>500</i> | <i>gal</i> | <i>.65</i> | | <i>325.00</i> |
| <i>Paid by check 1166</i> | | | | | | | | | | | |

| | | | | | | | | |
|---|--|-----------------|--|--|--|-------------------------|---|---|
| LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions. CUSTOMER OR CUSTOMER'S AGENT SIGNATURE <i>X Bill Owen</i> DATE SIGNED: _____ TIME SIGNED: _____ <input type="checkbox"/> A.M. <input type="checkbox"/> P.M. <input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered | SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN | | SURVEY OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND | | RECEIVED ILLINOIS CORPORATION COMMISSION MAR 09 1994 CONSERVATION DIVISION WICHITA, KS | UN-DECIDED DIS-AGREE | PAGE TOTAL FROM CONTINUATION PAGE(S) | SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE |
| | TYPE LOCK | DEPTH | OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? | | | | | |
| | BEAN SIZE | SPACERS | WE UNDERSTOOD AND MET YOUR NEEDS? | | | | | |
| | TYPE OF EQUALIZING SUB. | CASING PRESSURE | OUR SERVICE WAS PERFORMED WITHOUT DELAY? | | | | | |
| TUBING SIZE | TUBING PRESSURE | WELL DEPTH | | | | | | |
| TREE CONNECTION | TYPE VALVE | | | | | | | |

9 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES. The customer hereby acknowledges receipt of the materials and services listed on this ticket

| | | | | |
|---|--|--|-----------------------|----------------------|
| CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <i>Bill Owen</i> | CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>X Bill Owen</i> | HALLIBURTON OPERATOR/ENGINEER <i>M. Krenz</i> | EMP # <i>26914</i> | HALLIBURTON APPROVAL |
|---|--|--|-----------------------|----------------------|

TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

C. RELEASE AND INDEMNITY - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole 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, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. 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 EQUIPMENT, MATERIALS, 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 GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. WAIVER - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

BILLED ON TICKET NO. 500

WELL DATA

FIELD _____ SEC 14 TWP 27 RING 100 COUNTY McPherson 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 | | | 5 1/2 | 0 | 4350 | |
| LINER | | | | | | |
| TUBING | | | | | | |
| OPEN HOLE | | | | | | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

JOB DATA

| CALLER OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|--------------------|-------------------|-------------------|-------------------|
| DATE: <u>1-15</u> | DATE: <u>1-16</u> | DATE: <u>1-16</u> | DATE: <u>1-16</u> |
| TIME: <u>11:15</u> | TIME: <u>2:30</u> | TIME: <u>7:11</u> | TIME: _____ |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|--------------------------|----------|------|
| FLOAT COLLAR | | |
| FLOAT SHOE | | |
| GUIDE SHOE | <u>1</u> | |
| CENTRALIZERS | <u>9</u> | |
| BOTTOM PLUG | | |
| TOP PLUG | <u>1</u> | |
| HEAD <u>Tripart Seal</u> | <u>1</u> | |
| PACKER <u>6 1/2</u> | | |
| OTHER | | |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|----------------|-----------------|--------------|
| <u>Ken ...</u> | <u>C 8500</u> | <u>...</u> |
| <u>...</u> | <u>4415</u> | <u>Proff</u> |
| <u>...</u> | <u>41228</u> | <u>Proff</u> |

ORIGINAL

MATERIALS

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

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

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cement

DESCRIPTION OF JOB Cement long string

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Bill Owen

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

CEMENT DATA

| STAGE | NUMBER OF SACKS | CEMENT | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|------------|-------|-------------|------------|------------------|-----------------|
| | <u>225</u> | <u>...</u> | | <u>B</u> | <u>...</u> | <u>1.53</u> | <u>13.25</u> |

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 12 REASON Shoe

SUMMARY

VOLUMES

PRELUSH: BBL-GAL ...

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

TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 12.24

CEMENT SLURRY: BBL-GAL 101.3

PROLOGUE 197.24

KANSAS CORPORATION COMMISSION

MAR 09 1994

FIELD OFFICE

CONSERVATION DIVISION
WICHITA, KS

CUSTOMER: M-1-1
LEASE: ...
WELL NO.: ...
JOB TYPE: Long string
DATE: 1-16-94



JOB LOG FORM 2013 R-4

DATE 1-16 94 PAGE NO.

CUSTOMER MIKE McNeal WELL NO. A-1 LEASE D.O. Dyer JOB TYPE Long St. rd TICKET NO. 309446

Table with columns: CHART NO., TIME, RATE (BPM), VOLUME (BBL) (GAL), PUMPS (T, C), PRESSURE (PSI) (TUBING, CASING), DESCRIPTION OF OPERATION AND MATERIALS. Includes handwritten entries for operations like 'Breaker', 'Pump mud & flush', 'Start mix cement down hole', 'cement mix ORIGINAL', 'washout line pull', 'Start D. Sp', 'hard Plug', 'check lines OK', 'wash up', 'RACK UP'.

RECEIVED KANSAS CORPORATION COMMISSION MAR 09 1994 CONSERVATION DIVISION WICHITA, KS