## ORIGINAL

| STATE CORPORATION COMMISSION OF KANSAS OIL & GAS CONSERVATION DIVISION  | API NO. 15- 033-20,805 200  |
|---|---|
| WELL COMPLETION FORM  | County Comanche Comanche County Comanche County East  |
| ACO-1 WELL HISTORY  DESCRIPTION OF WELL AND LEASE   | N/2 N/2 N/2 Sec. 22 Twp. 31 Rge. 17 X West  |
| Operator: License # 8362  | 5180 Ft. North from Southeast Corner of Section   |
| Name: Held By Production, Inc.  | 2640 / Ft. West from Southeast Corner of Section  |
| Address Box 1600  | (NOTE: Locate well in section plat below.   |
| Houston, Texas 77251  | Lease Name Ferrin W Well # 2  |
| City/State/Zip  | Field Name Wilmore Extension  |
| Purchaser: Oxy-Kansas Gas Supply  | Producing Formation <u>Mississippian</u>  |
| •   | Elevation: Ground 2062 KB 2070  |
| Operator Contact Person: R. B. Einhorn  | Total Depth 5100 PBTD 5032  |
| Phone (   | 5280  |
| Contractor: Name: Trans Pac Drilling, Inc.  | **************************************  |
| License: 5841 STATE COR   | 3960<br>3630  |
| Wellsite Geologist: Douglas V. Davis, Jr.   | AR 1 8 1991   |
|   | ! L. I  |
| Designate Type of Completion  X New Well Re-Entry Workover CON  | Vichita. Kansas   |
| OilSWDTemp. Abd GasInjDelayed CompDryOther (Core, Water Supply, etc.  | 1320  |
|   | 990   |
|   |   |
| If ONNO: old well info as follows: Operator:  | 711 V 1950 1950 1950 1950 1950 1950 1950 1950   |
| Well Name:  | Amount of Surface Pipe Set and Cemented at 608 Fee  |
| Comp. Date Old Total Depth  | Multiple Stage Cementing Collar Used? YesX _ N  |
| Drilling Method:  | If yes, show depth set Fee  |
| X Mud Rotary Air Rotary Cable   | If Alternate II completion, cement circulated from 608  |
| 1/15/91 1/25/91 2/25/91   | 1   |
| Spud Date Date Reached TD Completion Date   | feet depth to surface w/ 350 sx cmt   |
| writing and submitted with the form. See rule 82-3  | es of the spud date of any well. Rule 82-3-130, 82-3-107 and be held confidential for a period of 12 months if requested in 1-107 for confidentiality in excess of 12 months. One copy of all this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 all temporarily abandoned wells. Any recompletion, workover or |
| All requirements of the statutes, rules and regulations promu<br>with and the statements herein are complete and correct to | ulgated to regulate the oil and gas industry have been fully complie the best of my knowledge.  |
| Signature AB Carker   | K_C_C. OFFICE USE ONLY  |
| Title Vice Pres. Date   | 3-/3-5/ F Letter of Confidentiality Attached C Wireline Log Received C Drillers Timelog Received  |
| Subscribed and sworn to before me this $\frac{3}{190}$ day of $\frac{900}{190}$   | Distribution  |
| Noticey Public Moua & Amo   | I KCC   SWD/Rep   NGPA   Other   (Specify)  |
| Date Commission Expires 4-28-93   |   |

CUSTOMER OR HIS AGENT (PLEASE PRINT)

CUSTOMER OR HIS AGENT (SIGNATURE)

TICKET NO. 042010-1

FORM 1906 R-11 WELL NO. - FARM OR LEASE NAME CITY / OFFSHORE LOCATION 1-26.91 OWNER CHARGE TO TICKET TYPE (CHECK ONE) NITROGEN JOB SERVICE K SALES No K 1 LOCATION ADDRESS CONTRACTOR CODE FREIGHT CHARGES LOCATION CITY, STATE, ZIP SHIPPED VIA PPD COLLECT DELIVERED TO WELL TYPE WELL CATEGORY WELL PERMIT NO. LOCATION TYPE AND PURPOSE OF JOB REFERRAL LOCATION 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 ast day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest nit becomes necessary to employ an attorney to enforce collection of said account. Customer agrees to pay all collection costs and attorney to do not conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished. Hallmanter warrants only title its the products, supplies and materials and continuous scian be governed by the state where services are performed or equipment or materials are furnished.

Hallmanter warrants only title its the products, supplies and materials and that the same are nee from perfect in workmanship and materials. THERE ARE NO WARRANTES, EXPRESS OR ILLPUIDS, ON REPORTABILITY,
FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PROCEDING SENTENCE. Hallmanters a materials are customers as express, finited its the replacement of such product, supplies or materials on their return to Hallburton or, at Hallburton's option, to the allowance to the customer of credit for the cost of such items in no event shall Hallburton be liable for special, indirect, punitive or consequential damages. 200 UNITS 1 UNITS 2 PRICE SECONDARY REF UNIT PRICE DESCRIPTION AMOUNT REFERENCE OR PART NO. ACCOUNT MEAS MEAS **MILEAGE** 000-117 ? -\$ S 000-118 40 901-016 سے دارجہ لتدور 1 0.016 F25 20; 1 215 49161 815-14/13 904 62144 900-250**3** 314-165 RECEIVED STATE CORPORATION COMMISSION MAR 1 8 1991 **CONSERVATION DIVISION** Wichita, Kansas AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B- 917734 <u>1756 |23</u> 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. WAS JOB SATISFACTORILY COMPLETED? WAS OPERATION OF EQUIPMENT SATISFACTORY? WAS PERFORMANCE OF PERSONNEL SATISFACTORY? 1101 HALLIBURTON OPERATOR APPLICABLE TAXES WILL BE ADDED ON INVOICE.

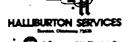
> HALLIBURTON APPROVAL

Julia Bug

CUSTOMER

| 1-75 1700 CAUED BUT CASING CASING CASING CAUED BUT 2460 CAUED BUT TO   | TICKET NO                      |
|--|--------------------------------|
| CHART NO. TIME RATE (BBL) (GBL) T C TUBING CASING  1-75 1700  2460  CAUED BUT  -26 0130  CAUED BUT  -27 70 70  CAUED BUT  -27 70  -28 CONTROLL  -38 CONTROLL  -38 CONTROLL  -48 CONTROLL |                                |
| 1-75 1700 Cauen pur<br>2460 EN LOC - K<br>-Buk TA<br>-26 0130 Deale Hepe<br>UP TO FO<br>DEALE (SO  | ION OF OPERATION AND MATERIALS |
| 2400 EN LOC - K<br>- Bare 70<br>- 26 0130 Desce Hepe<br>- UP TO FO<br>- OZEN START (SO   | - READY @ 2400                 |
| -26 0130 Cosu Fores  | 36 LANEILE DOWN DP             |
| 02%) UP TO F. START (SQ  | Re EN LOC - 58- UP             |
| OZZO START (SO   | . <del></del>                  |
|  | Turs (36                       |
|  | TO HERE UPS THE                |
| - I Caree w  |                                |
| 0612 5.0 5 UV 500 Kins WATER   |                                |
| 0613 4.0 12 UV 500 Kun Sweet   |                                |
| 0616 510 5 60 booken Space   |                                |
| 0617 6.5 33.4 v 4 100 MEX CENTE  | 47                             |
| 0622 V FENESH MA   | FRENG-FREEDSE PONG             |
|  | UT HOND & CONES                |
| 0626 10 79.7 VV 1200 DESTACE   | fiss 6                         |
| 0634 V 2000 Peur   |                                |
| - Kec 25/45<br>- 4/35H 4   |                                |
|  |                                |
| 0170 DAG COMPLE  | n∈                             |
| - Buck   | TEL PELEOSED                   |
|  |                                |
|  |                                |
|  | Thails                         |
|  | Esi6                           |
|  |                                |
|  |                                |
|  |                                |
|  |                                |
|  |                                |
|  |                                |
|  |                                |
|  |                                |
|  |                                |
|  |                                |

|   | HAI<br>S      | LLIBURTON<br>ERVICES                               | JOE<br>SUMM <i>A</i>                              |  | URTON   | ~~                          | , Ke  | \$              | BI                                    | LLED ON<br>CKET NO                               | 040               | 2010                |
|---|---------------|--|---|--|---|-----------------------------|---|-----------------|---------------------------------------|--|-------------------|---------------------|
| ,                                       | , ,           |  |   | sec 22 TM  | WELL DATA   | 241                         |   | min             |                                       | <del></del>                                      |                   | 15                  |
|   |               |  | 20101   | TW   | VP RNG  | NEW<br>USED                 | COUNTY_                                       | SIZE            | FROM                                  | STATE  |                   | MAXIMUM PSI         |
| RMATIC                                  | ON NAME       |  | <del>╊</del>                                      | î\ <del>  Δ  </del>                              | CASING  | ISCAI                       |   | 4/7             | 1/3                                   | 50.4   | <del>.</del>      | ALLOWABLE           |
| RMATIC                                  | ON THICKNESS. |  | dadw  | L V C TO L                                       | LINER   | 1170                        | 11.6  | 4/2             |                                       | -27  | <u> </u>          |                     |
|   | 100: OIL      | BPD. WAT   |   | . GAS  | MCFD  |                             | 11.6  | <del> </del>    |                                       | <del> </del>                                     |                   |                     |
| ESENT                                   | PROD: OIL     | 820. WAT   | TERBPD  | GA\$   | MCFDOPEN HOL                                      |                             |   |                 |                                       | +  |                   |                     |
| MPLET                                   | ION DATE      | MUI  | D TYPE  | MUD WT   |   |                             | <b></b>                                       | <u></u>         |                                       |  |                   | SHOTS/FT.           |
| CKER T                                  | YPE           |  | SET   | AT   | PERFORA   |                             |   |                 | <del></del>                           | <del> </del>                                     |                   |                     |
| TTOM H                                  | OLE TEMP.     |  | PRESSURE  | · · · · · · · · · · · · · · · · · · ·            | PERFORA   |                             |   |                 |                                       |  |                   |                     |
| SC. DAT                                 | ·^            |  | TOTAL   | . DEPTH <u>5/96</u>                              |   | ions                        | <u></u>                                       |                 |                                       |  |                   |                     |
|   |               |  |   |  | JOB DATA  |                             | 1 - "- "-                                     |                 |                                       |  |                   |                     |
|   |               | TOOLS AND  | ACCESSORIES                                       |  | CALLED  |                             | ON LOCA                                       |                 | JOB STARTED                           |  |                   | MPLETED             |
|   | TYPE A        |  | QTY.  | MAKE   | DATE /*   | 25                          | DATE /  | 1-25            | DATE /- 2                             | ેઇ ્   | DATE              | 1.56                |
| OAT CO                                  | ILLAR LIT     | - 47   | 2 /   | HERCO  | TIME //   | 30                          | TIME 🎜  | 440             | TIME ()                               | 50   | TIME              | 720                 |
| OAT SH                                  | OΕ            |  |   |  |   |                             |   |                 | ND SERVICE                            |  |                   | · · · · ·           |
| IDE SH                                  | OE / 3/2      | **   | , ,   | - 1  | ·   |                             | NAME  |                 | UNIT NO. &                            |  | L                 | CATION              |
|   | ZERS 5- 4     | <del>,                                      </del> | 1/2   | <b>31</b>  | 75 6  | ر<br>وي فريد ع              |   | 1633            | 50120                                 | 10   | - :               |                     |
| TTOM P                                  |               |  | 1   |  | — <del>*                                   </del> | 1.10                        |   | 1640            | COSTAR                                | ; [ سن ] .                                       | انفتة مجعنج       | پر ہے۔<br>پی کے رہو |
|   | 5.61          | ٠ .  | 1   | Le   |   | · COC CH                    |   | <u> 1070 - </u> |                                       |  |                   | <del>-5'</del>      |
| AD                                      | 00            | . 4  |   | <del> </del>                                     | <u> </u>  | CC E /2                     | , <u>e</u>                                    | DZ /            | 76566                                 |  | سد مؤسم<br>سرحوبر | 5 min 1             |
|   | <u> </u>      | ·  |   | 1.7  | <u>#. U</u>                                       | LC 5/2                      |   | 021             | Buck                                  | <u> </u>   |                   |                     |
| CKER                                    | <u> </u>      |  | 4.  | <del> </del>                                     |   |                             |   |                 | 4                                     | 1  |                   |                     |
| HER / f                                 | 1414 St       | MITCHEUS "   | <u>''   7  </u>                                   | 64   |   |                             |   |                 |                                       |  |                   |                     |
|   |               | MAT  | ERIALS  |  |   |                             |   |                 |                                       |  |                   |                     |
| EAT. FL                                 | a             |  | DENSITY   | LB/C   | O<br>SAL-API                                      |                             |   |                 |                                       |  |                   |                     |
| SPL. FLL                                |               |  | DENISTY   |  | O<br>GAL-API                                      |                             |   |                 |                                       |  |                   |                     |
| OP. TYP                                 |               | SIZE   |   | LB   |   |                             |   |                 | 7                                     |  |                   |                     |
|   |               |  |   |  |   |                             |   |                 |                                       |  |                   |                     |
| OP. TYP                                 |               | SIZE   |   | LB   |   |                             |   |                 | 1                                     |  |                   |                     |
| ID TYPE                                 |               |  | GAL   | %  |   |                             | · · · · · · · · ·                             |                 |                                       | <del></del>                                      |                   |                     |
| ID TYPE                                 |               |  | GAL.  | %  | <del></del>                                       |                             |   |                 | 1                                     |  |                   |                     |
| ID TYPE                                 |               |  | GAL   | %  | <del></del>                                       |                             |   |                 | <u> </u>                              | !  |                   |                     |
| RFACTA                                  | INT TYPE      |  | GAL   | IN   | DEPARTMEN   | ιτ <u></u>                  | 6/46/17                                       |                 | وناد استاند کا در این                 | /  |                   |                     |
| AGENT                                   | TYPE          |  | GAL   | IN   | DESCRIPTIO  | N OF JOB                    | <u>";                                    </u> | <u>ئ عمر مي</u> | NESTICE                               | 1. J. C. 15                                      |                   | -                   |
| UID LOS                                 | S ADD. TYPE _ | (  | GAL-LB.   | IN   |   |                             |   |                 |                                       | <del></del>                                      |                   |                     |
| LLING A                                 | GENT TYPE.    |  | GAL-LB  | IN   |   |                             | ···   |                 |                                       |  |                   |                     |
| IC. RED.                                | AGENT TYPE_   | <del></del> '                                      | GAL-LB  | IN   |   |                             |   |                 | <del></del>                           |  |                   |                     |
| EAKER 1                                 | TYPE          |  | GAL-LB.   | IN   | JOB DONE  | HRU: TI                     | JBING 🔲                                       | C               | SING K                                | ANNULUS  |                   | TBG./ANN.           |
| OCKING                                  | AGENT TYPE_   |  |   | GAL-LB   |   |                             |   |                 |                                       |  |                   |                     |
| RFPAC f                                 | BALLS TYPE    |  |   | QTY  | CUSTOMER<br>REPRESENT                             | ATIVE X                     | ·<br>\  |                 |                                       |  |                   |                     |
| HER                                     |               |  |   |  |   | \ ;                         |   | 1               |                                       |  |                   |                     |
| HER                                     |               |  |   |  | HALLIBURT   | on d\<br>Section            | 2001  | 25              | · · · · · · · · · · · · · · · · · · · | COPIES   |                   |                     |
| · · ·                                   |               |  |   | C  | OPERATOR . EMENT DATA                             |                             | 7   |                 | <del></del>                           | REQUEST  | ED                |                     |
|   | NUMBER        |  |   | T  |   |                             |   |                 |                                       | T  |                   |                     |
|   | OF SACKS      | CEMENT   | BRAND   | SACKED   |   | ADDIT                       | IVES .  |                 |                                       | CU.FT./S   |                   | MIXED<br>LBS:/GAL.  |
| ITAGÉ                                   | 1 .           | m/ 12  | 11-   | 7 . 1.0  | 2 6 2 2 2   | /-                          | 7018 7 F                                      | 17              | x = 0 =                               | <del>                                     </del> |                   | .5 /                |
| TAGE                                    | 9.00          |  | 1. T. C.S.  | 15-16 K / / / / / / / / / / / / / / / / / /      | 2017 , HE   | -                           |   |                 | Circ                                  | /  | - ت               | 13.6                |
| TAGE                                    | 125           | 120200   | 1   |  |   |                             | •   |                 |                                       | <del> </del>                                     |                   |                     |
| TAGE                                    | 125           | 750700   |   | <del>                                     </del> |   |                             |   |                 |                                       | F.   |                   |                     |
| TAGE                                    | 125           | 720100   |   |  | <u></u>   |                             |   |                 |                                       | <del> </del>                                     |                   |                     |
| TAGE                                    | 125           | 7.070  |   |  |   |                             |   |                 |                                       | ļ <u>.</u>                                       |                   |                     |
| TAGE                                    | /25           | PRESSURES  | S IN PSI  |  | SHMMADY   |                             |   | VOL             | IMES                                  |  |                   |                     |
|   |               | PRESSURES  |   |  | SUMMARY   |                             | 12  | VOLU            | JMES                                  | نه عوصور ا                                       | 2000              | <u> </u>            |
| ULATII                                  | NG            |  | DISPLACEMENT_                                     |  | PRESLUSH: BE                                      |                             |   | VOLU            | TYPE                                  | Super  | 2510              | 54                  |
| CULATH                                  | NG            |  |   |  |   |                             |   | VOLU            | TYPE                                  | BBL-GAL  |                   | e/ 19               |
| CULATIF                                 | NG            |  | DISPLACEMENT_                                     |  | PRESLUSH: BE                                      | BBLGA                       | <u></u>                                       |                 | TYPEPAD:                              |  |                   | 54<br>4.7           |
| CULATII<br>AKDOW                        | NG            | FR   | DISPLACEMENTMAXIMUM                               |  | PRESLUSH: BE                                      | BBLGA                       |   |                 | TYPEPAD:                              | BBL-GAL  |                   | e/ 19               |
| CULATII<br>AKDOW                        | NG            | FR   | DISPLACEMENT                                      |  | PRESLUSH: BE                                      | 88LGA<br>98LGAL<br>RY: 88L= | <u> </u>                                      | 3.4             | TYPE                                  | BBL-GAL  |                   | e/ 19               |
| CULATII<br>AKDOW<br>RAGE _<br>DT-IN: IN | NG            | HYDRAULIC :  | DISPLACEMENT                                      |  | PRESLUSH: BE LOAD & BKDN TREATMENT: I CEMENT SLUR | 88LGA<br>98LGAL<br>RY: 88L= | <u> </u>                                      | 3.4             | TYPEPAD:                              | BBL-GAL  |                   | el 19               |
| CULATII<br>AKDOW<br>RAGE _<br>DT-IN: IN | NG            | HYDRAULIC :  | MAXIMUM MACTURE GRADIENT.                         | 1 5-MIN  | PRESLUSH: BE LOAD & BKDN TREATMENT: I CEMENT SLUR | 88LGA<br>98LGAL<br>RY: 88L= | <u> </u>                                      | 3.4             | TYPE                                  | BBL-GAL  |                   | el 19               |
| CULATHEAKDOW<br>ERAGE<br>UT-IN: IN      | NG            | HYDRAULIC HAVAILABLE AVERAGE R                     | MAXIMUM  ACTURE GRADIENT. HORSEPOWER  ATES IN BPM | 1 5-MIN  | PRESLUSH: BE LOAD & BKDN TREATMENT: I CEMENT SLUR | 88LGA<br>98LGAL<br>RY: 88L= | <u> </u>                                      | 3.4             | TYPEPAD:DISPI                         | BBL-GAL  |                   | <del>.</del>        |
| CULATIFE EAKDOW ERAGE UT-IN: IN DERED   | NG            | HYDRAULIC HAVAILABLE AVERAGE R                     | MAXIMUM  ACTURE GRADIENT  HORSEPOWER  ATES IN BPM | 15-MIN   | PRESLUSH: BE LOAD & BKDN TREATMENT: I CEMENT SLUR | 88LGA<br>98LGAL<br>RY: 88L= | <u> </u>                                      | 3.4             | TYPEPAD:DISPI                         | BBL-GAL  |                   | <del>.</del>        |



## WORK ORDER CONTRACT

----

FO

| FORM 1918 R-7 A Division of Halliburton Company AND PRE-        | IREAIM       | ENI DA      | NIA         |           | ACH TO<br>& TICKET N | 0. 042     | 2010                  |
|---|--------------|-------------|-------------|-----------|----------------------|------------|-----------------------|
| DISTRICT PRATT, ASRIGNAL  |              |             |             |           | DATE                 | 1-26-      | 91                    |
| THE SAME AS AN INDEPENDENT CONTRACTOR TO:                       |              |             | CTICT       | J .       | EMEN TO              | DELIVER AN | ID OPERATE            |
| AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR      | THE PURPOS   | E OF SERVE  | CING        | ER)       |                      |            |                       |
| WELL NO. # Z LEASE FERLIN                                       |              | SEC _       | 22          | _ TWP     | 3/                   | RAN        | IGE 1741              |
| FIELD COUNTY CHARLEYE STA                                       | TE           | <u> </u>    | OWNED       |           |                      |            |                       |
| THE FOLLOWING INFORMATION WAS                                   | FURNISHE     |             | E CUSTON    | IER OR H  | IS AGEN              | T          |                       |
| FORMATION NAMETYPE  |              | NEW<br>USED | WEIGHT      | SIZE      | FROM                 | то         | MAX. ALLOW.<br>P.S.I. |
| FORMATION THICKNESS FROM TO                                     | CASING       | HEED        | 10.5        | 4/2       | KB                   | 5098'      |                       |
| PACKER: TYPE SET AT   | LINER        |             | 11.64       |           |                      |            |                       |
| TOTAL DEPTH MUD WEIGHT  | TUBING       |             |             |           |                      |            |                       |
| BORE HOLE 77/9  | OPEN HOL     | E           |             | ·         |                      |            | SHOTS/FT.             |
| INITIAL PROD: OIL BPD, H2O BPD, GAS MCF                         | PERFORAT     | ions        |             |           |                      |            |                       |
| PRESENT PROD: OIL BPD, H2O BPD, GAS MCF                         | PERFORAT     | ions        |             |           |                      |            |                       |
|   | PERFORAT     | IONS        |             |           |                      |            |                       |
| PREVIOUS TREATMENT: DATE TYPE                                   |              |             | _ MATERIALS |           |                      |            |                       |
| TREATMENT INSTRUCTIONS: TREAT THRU TUBING   ANNULUS   CASING    |              |             |             |           |                      |            | 102                   |
| CONTAINENO 10% SALT 10=0  | _            |             |             | 4,57      | OF.                  | 2-3        | WEU                   |
| KUN 500 GAC SUPERFLUSH AHEAD                                    | St.          | CENE        | NT &        | WI        | 2 J                  | BRING      | 15                    |
| WITH WATER CONTRINENTED 2 GAR                                   | 1140         | 2 /4        | 79 F=>      | LI,       |                      |            |                       |
| CLISTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION | TO RECEIVE T | HE PRODUC   | CTS SUPPLIE | S MATERIA | S AND SE             | RVICES     | •                     |

As considerable, the applie-harmed Customer agrees

THIS CONTRACT MUST BE SIGNED BEFORE MORN IS COMMERCED

- To be a summer in accord with the rotes and terms stated in Hallington's outrier products are upgace MET by the 20th or the following multir after date of this tell door Customer a particular in agreed to be understanded as a second by the estimate of customers account by the estimate of customers account by the estimate of the month rollowing the month of the event it decomes necessary to employ attempts obtained of said account. Customer egrees to be, all collection posts and attempts the employ of 20th or the smouth or the uncode account.
- To differs indemning the reseased and not partness. Hamburbon, its divisions, succentities parent sind affiliated companies and the officers duecture embraces agents and servants or at or their from and against only dismisuatively expensed attorneys fees and costs of defense to find extent partnition by
  - ge to property owned by Mithe notices and or theses by Customer, and or the wer owner of different from Customer) violating but not ambien to, surface and subsurface damage. The term rusi Dwhar Ishou wobupe working and royart, interast owners.
  - Reservoir formation or well-loss or damage subsurface trespossible of any action in the nature operation
  - Reliant that, or death or process, durings findusing but not limits, to damage to this reservoir formation or well, or any canadjes whatspeed growing out of or in any way connected with or resulting from countries cressure. Cosing countries is well and or a well object, or the use of rediactive material. 3.

The partifier incoming, release and non-narmess obligations of Customer provided for in this Section of and Section of below shall comply to plains or leading event disassed or contributed to by Haliburton's inegraphs. Strict (2014) or the data products succises materials or equipment of Haliburton vineties in the data products succises materials or equipment of Haliburton vineties in a district participation of the data products succises materials or equipment of Haliburton vineties in Lattice participates, participated or the press of customer and participated of Haliburton in the data of the participated or the press of each participated of Haliburton in the data of the participated of the particip

- That discusses the undertainty of variable well conditions and the recessing of regime on racts and supporting services from the products supporting services from the results of any treatment of service not the occursor, of any characteristic necessary analysis jot recommendation or other data furnished on their destinance frafficial personal, will use their personal will use their partering such information and their dest programment in intercepting it, but Customer agrees that Harburton shall not be face for and Customer shall industrial against any damages ansing from the use of such information.
- That malibourism werrants only little to the products, supplies and materials are true from defects in work manship and materials. THERE ARE NO WARRANTIES EXPRESS OR MINDLED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND SENDING STATED IN THE IMMEDIATELY FITDEDING SENTENCE, Hallourion's librarity and Customer's evolusive remedy in any cause or action runstiter in contract, tort, preced of warranty or other wise 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 or their return to malibourion or at Hallourion's option, to the allowance to the Customer of oregin for the cost of such items in no event shall hallourion be likely for special, indicental, moved puritive or consequential damages.
- That Customer shall at its risk and excense, 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 be mailloant its replacement cost or the cost of the scene buy registers of italiloanton. If Halliburton decisionent, tops of instruments are annuaged in the well-disable mailloant its replacement cost or the cost of receives unless such loss is due to the scene negligence of italiloanton. In the case of scalarment, tops or instruments for mannel cost of the cost of receives unless such campage is passed by the sole negligence of italiloanton. In the case of scalarment, tops or instruments for mannel cost of the cost of the case of scalarment, tops or instruments for mannel cost of the case of scalarment, tops or instruments for mannel cost of the case of scalarment, tops or instruments for mannel cost of the case of scalarment, tops or instruments for mannel cost of the case of scalarment, tops or instruments for mannel cost of the case of scalarment, tops or instruments are carried and the case of scalarment tops or instruments are carried to the case of scalarment tops or instruments are carried to the case of scalarment tops or instruments are carried to the case of scalarment tops or instruments are carried to the case of scalarment tops or instruments are carried to the case of scalarment tops or instruments are carried to the case of scalarment tops or instruments are carried to the case of scalarment tops or instruments are carried to the case of scalarment tops or instruments are carried to the case of scalarment tops or instruments are carried to the case of scalarment tops or instruments are carried to the case of scalarment tops or instruments are carried to the case of scalarment tops or instruments are carried to the case of scalarment tops or instruments are carried to the case of scalarment tops or instruments are carried to the case of scalarment tops or instruments are carried to the case of scalarments are carried to the case of scalarments.

DATE

TIME

- To wake the provisions of the Deceptive Trade Practices Consumer Protection Actino 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 duty 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. 199 CUSTOMER 26

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.

# HALLBURTOK SERVICES

## BULK MATERIALS DELIVERY

AND AND ORIGINATION

FOR INVOICE AND OUZOLD

| DATE               | CUSTOMER ORDE                    | <u></u>  |                 | <u> </u>          | INAL                         |               |                | · · ·        |             |          |               |                                       |  |
|--------------------|----------------------------------|----------|-----------------|-------------------|------------------------------|---------------|----------------|--------------|-------------|----------|---------------|---------------------------------------|--|
| 1-25-91            | COSTOMER ONDE                    | ri ARI   |                 |                   | WELL NO. AND FARM            |               | CC             | UNTY         |             | ٠.       |               | STATE                                 |  |
| CHARGE TO          |                                  |          |                 |                   | Ferrin #2                    | <del></del>   | CONTRA         |              | manch       |          |               | Ks.                                   |  |
| Held-By Production |                                  |          | Held-By Product | tion              | Tran                         |               |                |              |             | 917      | 734           |                                       |  |
| MAILING ADDRESS    |                                  |          |                 |                   | DELIVERED FROM               | •             | LOCATIO        |              | PR          | EPARED B |               |                                       |  |
| CITY & STATE       |                                  |          |                 | <del></del> _     | Great Bend, Ks.              | <u> </u>      | 255<br>TRUCK N |              | PIE         | S.U.     | Henry         |                                       |  |
|                    |                                  |          |                 | <b>.</b>          | Location                     | · <del></del> | 265            | 6-66         | 05          | F=       | 16            | 2460                                  |  |
| PRICE<br>REFERENCE | SECONDARY<br>REF. OR<br>PART NO. | L        | 90¢             |                   | DESCRIPTION                  |               | UNIT           | S 1          | UA<br>QTY.  | IITS 2   | UNIT<br>PRICE | AMOUN                                 | vī   |
|                    |                                  | T        |                 | <u> </u>          | 50/50 Pozmix Cement          |               | <u> </u>       |              | 4.1.        | 1        |               | ·                                     | T  |
| 504-308            | 516.00261                        | 2        | В               | Sta               | ndard Cement                 |               | 63             | sk           |             | 1        | 5.35          | 337                                   | .05  |
| 506-105            | 516.00286                        | 2        | В               | Poz               | mix A                        | [             | 62_            | sk           |             | !        | 2.79          | 172.                                  | .58  |
| 506-121            | 516.00259                        | 2        | В               | 2 H               | alliburton Gel 2% All        | Loved         |                | -            |             | i        |               |                                       | NC   |
| 509-968            | ľ                                | ı        | 1               | 1                 | t Blended 10%W/125           | 1             | 650            | 16.          | ,           | 150      | .10           | 65.                                   | .00  |
| 508-292            | 70,15573                         | 2        | В               | Gil               | sonite Blended 10#           |               | 1250           | 1b           | 0           | (\$)\\   | .47           | 587.                                  | .50  |
| 507-153            | 516.00161                        |          | 1               |                   | -3 Blended .5%W/125          |               | 53             | 1b.          | (D)         | VI I     | 4.00          | 212.                                  | 1  |
|                    |                                  |          |                 |                   |                              |               |                |              | 2           |          |               |                                       |  |
|                    |                                  |          |                 |                   |                              |               | 7              | 12           |             |          |               | ··                                    |  |
|                    |                                  |          | Γ               |                   |                              | (             | <u> </u>       | <del> </del> |             |          |               |                                       |  |
|                    |                                  | T        |                 |                   |                              |               | 120            |              | <del></del> | +        |               | ·                                     |  |
|                    |                                  |          |                 |                   |                              | 2             | <del>,~</del>  | -            |             |          |               |                                       | <del>                                     </del> |
|                    |                                  | T        |                 |                   |                              | 11/2          | ·.             | <del> </del> |             |          |               | <del></del>                           |  |
|                    |                                  |          |                 |                   |                              |               |                |              |             |          |               | <del></del>                           |  |
| <del></del>        |                                  | T        |                 |                   | <u></u>                      |               |                |              |             |          |               |                                       | <del> </del>                                     |
|                    |                                  | H        |                 | ·                 |                              |               |                |              |             |          |               |                                       |  |
|                    |                                  | $\vdash$ | Н               |                   |                              |               |                |              |             |          |               | · · · · · · · · · · · · · · · · · · · |  |
| <u> </u>           |                                  | -        | Н               |                   |                              |               |                |              |             |          |               |                                       | <del>                                     </del> |
| <u>.</u>           |                                  |          | Н               |                   | - <del> </del>               |               |                |              |             |          |               | <u> </u>                              | <del>                                     </del> |
|                    |                                  | $\vdash$ | Н               | <del></del>       |                              |               |                |              |             |          |               | <del></del>                           |  |
| ·                  |                                  |          | H               |                   |                              |               |                |              |             |          |               |                                       |  |
| 500-307            |                                  | 5        | 2               | C . 1             | A Lincon                     |               | -0 cq          | 1            |             | -        | - 10          | 4-                                    | 7/   |
| <u> </u>           |                                  |          | H               | Returned          | retirge                      |               | 78,59          |              |             |          | ,10           | 27                                    | 80_  |
|                    |                                  |          |                 | Milesys<br>Charge | TOTAL WEIGHT                 | LOADED        | MILES          | TOP          | MILES       |          |               |                                       |  |
|                    |                                  |          |                 |                   |                              |               |                |              |             |          |               |                                       | }  |
|                    |                                  |          | $\vdash$        | SERVICE           | CHARGE ON MATERIALS RETURNED | · · · · ·     | <del>-</del>   | CŲ.          | FEET        |          |               |                                       |  |
| 500-207            |                                  | 2        | В               | SERVICE           | CHARGE                       |               |                | cu.          | FEET        | 159      | 1.10          | 174                                   | 90_  |
| 500-306            |                                  | 2        | В               | Milenge<br>Cherge | 12,663<br>TOTAL WEIGHT       | LOADES        | MILES          | 27<br>TON    | 8.59        |          | -75           | 208                                   | 94   |
| № B 917            | 734                              |          |                 |                   |                              | CARRY         | FORWAR         | D TO IN      | VOICE       | SUB-TO   | TAL           | 1786                                  | 23   |
|                    |                                  |          |                 |                   |                              |               |                |              | [           |          | <u> </u> }_   |                                       |  |

# ORIGHNAL PRODUCTION COMMANCHE CO. FORMATION TOPS

| <u>Formation</u> | <u>E-log</u> | Datum | <u>Sample</u> |
|------------------|--------------|-------|---------------|
| Heebner Shale    | 4178         | -2108 | 4177          |
| Douglas Group    | 4220         | -2150 | 4220          |
| Lansing Group    | 4372         | -2301 | 4366          |
| Marmaton Group   | 4808         | -2738 | 4808          |
| Cherokee Group   | 4932         | -2862 | 4930          |
| Erosional Miss.  | 4980         | -2910 | 4982          |
| Miss. Warsaw     | 4990         | -2920 | 4987          |
| Miss. Osage      | 5025         | -2955 | 5025          |

#### TESTS

DST #1 4955-5024' Misrun packers failed

DST #2 4904-5024'

DST #3 4906-5024' Mississippian Warsaw 30"-60"-15"-30"
IHP NA FHP 2454#
TEP 351-303#FFP 283-313#

IFP 351-303#FFP 283-313# ISIP 1128# FSIP 1118#

Rec- GTS/5" Ist open 814-1080MCF 2nd open 1205 MCF

360' Mud

#### GEOLOGICAL COMMENTS

There were no shows observed in any samples throughout the Douglas, Lansing, Kansas City, Marmaton, or Cherokee Groups.

The Mississippian Warsaw log top was chosen at 4990 (-2920). This would be 15 feet low to the HBP #1 Ferrin "A" and 14 feet high to the Oxy #1 Pepperd "A" and flat to the Sidwell # 1 Pepperd.

Samples, from 4994 to 5024, were tan to brown, sucrosic, glauconitic cherty dolomite, with fair to good inter-crystalline porosity. There was some brown staining, with good fluorescence and cut, but no free oil (see the results of DST #3).

It was recommended that  $4\frac{1}{2}$ " production casing be run so as to further evaluate the Mississippian Warsaw section.

Respectfully submitted

Douglas V. Davis Jr. Petroleum Geologist

## ORIGINAL

#### DRILLERS WELL LOG

Ferrin # 2 Section 22-31S-17W Comanche County Kansas Held By Production, Inc Commenced: Jan. 15,1991 Completed: Jan. 26,1991

| 0- 19'      | Sand and shale |
|-------------|----------------|
| 194'-316'   | Red Beds       |
| 316'-725'   | Sand and Shale |
| 725'-1555'  | Shale          |
| 1555'-2285' | Shale          |
| 2285'-2900' | Shale          |
| 2900'-3645' | Shale and Lime |
| 3645'-4295' | Shale and Lime |
| 4295'-4810' | Lime and shale |
| 4810'-5100' | Lime and Shale |

Surface Casing: Set 14 jts, 8 5/8" x 24# @ 608'. Cemented w 200 sx HLC and 150 sx 60/40 Posmix 2% gel 3% cc.

Production Casing: Set 130 jts 45 x 10.5# @ 5098". Cemented w 120 sx 50/50 Pozmix 10% salt 10# Gilsonite.

#### AFFIDAVIT

STATE OF KANSAS

SS

COUNTY OF SEDGWICK

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

Subscribed and sworn to before me this 13 Th day of FEBRUARY 19<u>9/</u>.

My commission Expires:

May 13. 1991

STATE OF KANSAS My Appl. Exp. 5-13-91

Notary Public