

FORM MUST BE TYPED

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- 189-21621-05 ORIGINAL  
County STEVENS  
C - SW - NW - Sec. 11 Twp. 33S Rge. 35W X W

Operator: License # 3871  
Name: Hugoton Energy Corporation  
Address 229 E. William, Suite 500  
City/State/Zip Wichita, KS 67202

1980 FNL Feet from S (circle one) Line of Section  
660 FWL Feet from E (circle one) Line of Section

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

Purchaser: CIBOLA  
Operator Contact Person: Jimmy W. Gowens  
Phone (316) 262-1522

Lease Name ALDERMAN Well # 3-11  
Field Name NORTHWOODS SE

Contractor: Name: Allen Drilling Co.  
License: 5418

Producing Formation CHESTER/MORROW  
Elevation: Ground 2938 KB 2951

Wellsite Geologist: Karl Osterbuhr

Total Depth 6300' PBTB  
Amount of Surface Pipe Set and Cemented at 1808 Feet.

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc.)

Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet

If Workover/Re-Entry: old well info as follows:

If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_  
05/05/94 05/21/94 06/15/94  
Spud Date Date Reached TD Completion Date

Drilling Fluid Management Plan ALT 1 8/7 11-16-94  
(Data must be collected from the Reserve Pit)

Chloride content 1000 mg/l ppm Fluid volume 400 bbls  
Dewatering method used KCC

Location of fluid disposal if hauled offsite: JUL 8

Operator Name \_\_\_\_\_  
Lease Name NOV 1 1996 License No. \_\_\_\_\_  
Quarter Sec. \_\_\_\_\_ Rng. \_\_\_\_\_ EW

County FROM CONFIDENTIAL Docket No. \_\_\_\_\_

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.

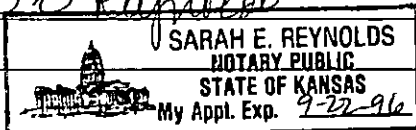
Signature \_\_\_\_\_

Title Jimmy W. Gowens, V.P. Exploration Date 7/7/94

Subscribed and sworn to before me this 7 day of July 19 94

Notary Public Sarah E. Reynolds

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



K.C.C. OFFICE USE ONLY  
F.  Letter of Confidentiality Attached  
C.  Wireline Log Received  
C.  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
RECEIVED  
STATE CORPORATION COMMISSION  
7-11-94  
JUL 11 1994  
(Specify)  
CONSERVATION DIVISION  
Wichita, Kansas

Operator Name Hugoton Energy Corporation Lease Name ALDERMAN Well # 3-11

East  
 West

County STEVENS

Sec. 11 Twp. 33S Rge. 35W

ORIGINAL

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: ML, CNL, PIL-SFL

Log Formation (Top), Depth and Datums  Sample.

Name Top Datum

SEE ATTACHED SHEET.

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"                    |                 | 1808'         | 65/35 poz Class 'C' | 630<br>150   | 6% gel+2% Cacl2+1/4#/sk D29<br>2% Cacl2+1/4 #/sk D29 |
| production        | 7-7/8"            | 5-1/2"                    | 15.5#           | 6300'         | Class 'C'           | 125          | 2% SI+ .6% + 1/4#/SK D29                             |
| port collar       |                   |                           |                 | 3284'         | Lite Premium        | 250<br>150   |  |

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  |                  |                |              |                            |

KCC

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) |
|----------------|--|--|
| 2              | 6112' - 6116' (4')   | 500 gal 15% HCL acid<br>2000 gal 15% acid<br>42,000 cubic ft nitrogen          |
| 2              | 5942' - 5952' (10')  |  |

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**TUBING RECORD**

Size 2-3/8" Set At 5982' Packer At 5984' Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 6/17/94 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours: Oil 1.67 Bbls. Gas 800 Mcf Water Bbls. Gas-Oil Ratio Gravity

RECEIVED

Disposition of Gas: METHOD OF COMPLETION

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

Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

STATE COMMISSION  
Production Interval 5942' - 5952'  
JUL 11 1994  
CONSERVATION DIVISION  
Wichita, Kansas

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ORIGINAL

\*\*\*\*\*TIGHT HOLE\*\*\*\*\*

Additional Information for ACO-1  
Hugoton Energy Corporation  
Alderman #3-11  
Sec. 11-33S-35W  
Stevens County, KS  
API #15-189-21621

| <input checked="" type="checkbox"/> Log | Formation (Top), Depth and Datums | <input type="checkbox"/> Sample. |
|---|-----------------------------------|----------------------------------|
| Name                                    | Top                               | Datum                            |
| HEEBNER                                 | 4220                              | -1269                            |
| LANSING A                               | 4347                              | -1396                            |
| LANSING B                               | 4411                              | -1460                            |
| KANSAS CITY A                           | 4773                              | -1822                            |
| MARMATON                                | 5027                              | -2076                            |
| FORT SCOTT                              | 5212                              | -2261                            |
| CHEROKEE SHALE                          | 5248                              | -2297                            |
| MORROW SHALE                            | 5657                              | -2706                            |
| ST. GENEVIEVE                           | 6245                              | -3294                            |

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JUL 11 1994

CONSERVATION DIVISION  
Wichita, Kansas

\*\*\*\*\*TIGHT HOLE\*\*\*\*\*  
Drill Stem Test Information for ACO-1  
Hugoton Energy Corporation  
Alderman #3-11  
Sec. 11-33S-35W  
Stevens County, KS  
API #15-189-21621

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**DST 1**

Test Interval: 5908' - 5980'

Times: 30-60-45-90

First Open: Bottom of bucket in 30 sec. Gas to surface in 8 min. - Strong blow.

Second Open: Gas to surface throughout

Recovery            130' Gassy Mud (15% gas, 85% mud)

Pressures            IHP 2833  
                         IFP 241-223  
                         ISIP 256  
                         FFP 234-225  
                         FSIP 256  
                         FHP 2808

**DST 2**

Test Interval 6106' - 6160'

Times: 30-60-45-90

First Open: Strong blow - bottom of bucket in 30 sec. Gas to surface in 13 min.

Second Open: Strong blow - gas to surface.

Recovery            280' Clean Gassy Oil (80% oil, 20% gas)  
                         120' Muddy Gassy Oil  
                         (40% oil, 30% gas, 30% mud)

Pressures            IHP 2920  
                         IFP 66-68  
                         ISIP 1852  
                         FFP 84-100  
                         FSIP 1786  
                         FHP 2894

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JUL 11 1994

CONSERVATION DIVISION  
Wichita, Kansas

**CEMENTING SERVICE REPORT**

Schlumberger

Dowell

**DOWELL SCHLUMBERGER INCORPORATED**

TREATMENT NUMBER

DATE

STAGE

DS

DISTRICT

DS-496-A PRINTED IN U.S.A.

|   |  |   |  |                                      |  |
|---|--|---|--|--------------------------------------|--|
| WELL NAME AND NO.<br><b>Alderman 2-11</b> |  | LOCATION (LEGAL)<br><b>Sec 11-33s-35w</b> |  | RIG NAME<br><b>Allen Drilling #5</b> |  |
| FIELD-POOL                                |  | FORMATION                                 |  | WELL DATA:                           |  |
| COUNTY/PARISH<br><b>Stevens</b>           |  | STATE<br><b>Ks.</b>                       |  | API. NO.                             |  |
| NAME<br><b>Hugoton Energy Corp</b>        |  | MUD TYPE                                  |  | GRADE                                |  |
| AND                                       |  | MUD DENSITY                               |  | LESS FOOTAGE SHOE JOINT(S)           |  |
| ADDRESS                                   |  | MUD VISC.                                 |  | Disp. Capacity                       |  |
| SPECIAL INSTRUCTIONS                      |  | MUD DENSITY                               |  | TOTAL                                |  |
| ZIP CODE                                  |  | MUD VISC.                                 |  | Disp. Capacity                       |  |

**CONFIDENTIAL**

**RELEASED**

**NOV 1 1996**

**FROM CONFIDENTIAL**

|   |  |   |  |   |  |
|---|--|---|--|---|--|
| IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO                   |  | LIFT PRESSURE <b>745</b> PSI                                  |  | CASING WEIGHT + SURFACE AREA (3.14 x R <sup>2</sup> )             |  |
| PRESSURE LIMIT PSI  |  | BUMP PLUG TO <b>930</b> PSI                                   |  | ROTATE RPM RECIPROCATATE FT No. of Centralizers <b>3</b>          |  |
| HEAD & PLUGS  |  | SQUEEZE JOB   |  | TOOL TYPE   |  |
| <input type="checkbox"/> Double<br><input checked="" type="checkbox"/> Single<br><input type="checkbox"/> Swage |  | <input type="checkbox"/> TBG<br><input type="checkbox"/> D.P. |  | <input type="checkbox"/> GRADE<br><input type="checkbox"/> THREAD |  |
| TOP <input type="checkbox"/> R <input type="checkbox"/> W   |  | BOT <input type="checkbox"/> R <input type="checkbox"/> W     |  | DEPTH   |  |
| TUBING VOLUME   |  | CASING VOL. BELOW TOOL  |  | TOTAL   |  |
| ANNUAL VOLUME   |  | TUBING VOLUME   |  | CASING VOL. BELOW TOOL  |  |

| TIME         | PRESSURE    |        | VOLUME PUMPED BBL |     | JOB SCHEDULED FOR |          |      | ARRIVE ON LOCATION |      | LEFT LOCATION |  |
|--------------|-------------|--------|-------------------|-----|-------------------|----------|------|--------------------|------|---------------|--|
|              | TBG OR D.P. | CASING | INCREMENT         | CUM | TIME              | DATE     | TIME | DATE               | TIME | DATE          |  |
| 0001 to 2400 |             |        |                   |     |                   |          |      |                    |      |               |  |
| 2035         | 0           | 12     |                   |     | 5.7               | H10      |      |                    |      |               |  |
| 2037         | 180         | 236    |                   |     | 5.7               | cm+ 12.2 |      |                    |      |               |  |
| 2058         | 160         |        | 20                |     | 5.7               | cm+ 12.2 |      |                    |      |               |  |
| 2121         | 210         | 35     |                   |     | 5.7               | cm+ 14.8 |      |                    |      |               |  |
| 2124         | 240         |        | 20                |     | 5.7               | cm+ 14.8 |      |                    |      |               |  |
| 2127         | 0           |        |                   |     |                   |          |      |                    |      |               |  |
| 2128         | 0           | 113.5  |                   |     | 5                 | H10      |      |                    |      |               |  |
| 2133         | 90          |        | 20                |     | 5                 | H70      |      |                    |      |               |  |
| 2137         | 170         |        | 40                |     | 5.8               |          |      |                    |      |               |  |
| 2140         | 260         |        | 60                |     | 5.8               |          |      |                    |      |               |  |
| 2144         | 370         |        | 80                |     | 5.7               |          |      |                    |      |               |  |
| 2147         | 490         |        | 100               |     | 5.6               |          |      |                    |      |               |  |
| 2148         | 490         |        | 105               |     | 2                 |          |      |                    |      |               |  |
| 2151         | 480         |        | 110               |     | 2                 |          |      |                    |      |               |  |
| 2154         | 430         |        | 114               |     | 2                 |          |      |                    |      |               |  |
| 2155         |             |        |                   |     |                   |          |      |                    |      |               |  |

**ORIGINAL**

**KCC  
JUL 8  
CONFIDENTIAL**

REMARKS: bleed psi of check float + holding end job

| SYSTEM CODE | NO. OF SACKS | YIELD CU. FT/SK | COMPOSITION OF CEMENTING SYSTEMS |  |       |         | SLURRY MIXED |  |
|-------------|--------------|-----------------|----------------------------------|--|-------|---------|--------------|--|
|             |              |                 | BBS                              | DENSITY  | BBS   | DENSITY |              |  |
| 1.          | 630          | 2.10            | 65%                              | 35% 2 + 6% gel + 2% cacl <sub>2</sub> + 1/4" O29 | 235.6 | 12.2    |              |  |
| 2.          |              |                 |                                  |  |       |         |              |  |
| 3.          | 150          | 1.32            |                                  | class C + 2% cacl <sub>2</sub> + 1/4" O29        | 35.2  | 14.8    |              |  |
| 4.          |              |                 |                                  |  |       |         |              |  |
| 5.          |              |                 |                                  |  |       |         |              |  |
| 6.          |              |                 |                                  |  |       |         |              |  |

|   |  |                         |  |   |  |  |  |  |  |
|---|--|-------------------------|--|---|--|--|--|--|--|
| BREAKDOWN FLUID TYPE  |  | VOLUME                  |  | DENSITY   |  | PRESSURE   |  | MAX. MIN.  |  |
| <input type="checkbox"/> HESITATION SQ.<br><input type="checkbox"/> RUNNING SQ. |  | CIRCULATION LOST        |  | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |  | Cement Circulated To Surf.   |  | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO  |  |
| BREAKDOWN   |  | DISPLACEMENT VOL.       |  | BBS   |  | TYPE OF WELL   |  | <input type="checkbox"/> STORAGE<br><input type="checkbox"/> BRINE WATER<br><input type="checkbox"/> WILDCAT |  |
| Washed Thru Perfs   |  | MEASURED DISPLACEMENT   |  | <input type="checkbox"/> WIRELINE                                   |  | <input type="checkbox"/> OIL<br><input type="checkbox"/> GAS<br><input type="checkbox"/> INJECTION |  |  |  |
| PERFORATIONS  |  | CUSTOMER REPRESENTATIVE |  | DS SUPERVISOR   |  |  |  |  |  |
| TO TO   |  | <b>MARVIN PETZ</b>      |  | <b>JAMES ESQUIVEL</b>   |  |  |  | RECEIVED<br>STATE CORPORATION COMMISSION<br>JUL 11 1994  |  |



CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

|                  |      |          |      |
|------------------|------|----------|------|
| TREATMENT NUMBER | 6174 | DATE     | 5/21 |
| STAGE            | 1    | DS       | UKS  |
|                  |      | DISTRICT |      |

DS-496-A PRINTED IN U.S.A.

|  |  |                           |
|--|--|---------------------------|
| WELL NAME AND NO.<br><i>Aldenman #2 well</i> | LOCATION (LEGAL)<br><i>SEC 11-33-35W</i> | RIG NAME:<br><i>Allan</i> |
| FIELD-POOL<br><i>Hogton</i>                  | FORMATION                                | WELL DATA:                |
| COUNTY/PARISH<br><i>Starns</i>               | STATE<br><i>Kansas</i>                   | API. NO.                  |
| NAME<br><i>Hogton Energy</i>                 | <b>CONFIDENTIAL</b>                      |                           |
| AND  |  |                           |
| ADDRESS                                      | ZIP CODE                                 |                           |

|  |                                |                 |
|--|--------------------------------|-----------------|
| BIT SIZE<br><i>7 7/8</i>   | CSG/Liner Size<br><i>5 1/2</i> | TOP             |
| TOTAL DEPTH  | WEIGHT<br><i>15.5</i>          | <b>ORIGINAL</b> |
| <input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE | FOOTAGE<br><i>6200</i>         |                 |
| MUD TYPE   | GRADE                          |                 |
| <input type="checkbox"/> BHST<br><input type="checkbox"/> BHCT         | THREAD<br><i>8 3/4</i>         |                 |
| MUD DENSITY  | LESS FOOTAGE SHOE JOINT(S)     | TOTAL           |
| MUD VISC.  | Disp. Capacity<br><i>6265</i>  | <i>149.1</i>    |

SPECIAL INSTRUCTIONS  
*Cmt 5 1/2 production CSG  
As per customer's order*

IS CASING/TUBING SECURED?  YES  NO

LIFT PRESSURE \_\_\_\_\_ PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>)

PRESSURE LIMIT *1000* PSI BUMP PLUG TO *1200* PSI

ROTATE \_\_\_\_\_ RPM RECIPROCATATE \_\_\_\_\_ FT No. of Centralizers *6*

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

|       |                               |            |       |
|-------|-------------------------------|------------|-------|
| Float | TYPE<br><i>ad 6 1/2 Inset</i> | Stage Tool | TYPE  |
|       | DEPTH                         |            | DEPTH |
| SHOE  | TYPE<br><i>Cmt nose</i>       |            | TYPE  |
|       | DEPTH                         |            | DEPTH |

Head & Plugs  TBG  D.P.  SQUEEZE JOB

Double  SIZE

Single  WEIGHT

Swage  GRADE

Knockoff  THREAD

TOP  R  W  NEW  USED

BOT  R  W

TOOL TYPE DEPTH

TAIL PIPE: SIZE DEPTH

TUBING VOLUME Bbls

CASING VOL. BELOW TOOL Bbls

TOTAL Bbls

ANNUAL VOLUME Bbls

JOB SCHEDULED FOR TIME: *1300* DATE: *5/21* ARRIVE ON LOCATION TIME: *1300* DATE: *5/21* LEFT LOCATION TIME: *2030* DATE: *5/21*

| TIME         | PRESSURE    |             | VOLUME PUMPED BBL |          | INJECT RATE | FLUID TYPE | FLUID DENSITY | SERVICE LOG DETAIL                          |
|--------------|-------------|-------------|-------------------|----------|-------------|------------|---------------|---|
|              | TBG OR D.P. | CASING      | INCREMENT         | CUM      |             |            |               |   |
| 0001 to 2400 | <i>NA</i>   |             |                   |          |             | <i>160</i> | <i>8.33</i>   | PRE-JOB SAFETY MEETING <i>751 test line</i> |
| <i>19:13</i> |             | <i>250</i>  | <i>6</i>          | <i>-</i> | <i>4</i>    | <i>+</i>   | <i>↓</i>      | <i>160 ahead</i>                            |
| <i>19:15</i> |             | <i>270</i>  | <i>30</i>         | <i>-</i> | <i>4</i>    | <i>Cmt</i> | <i>14.8</i>   | <i>Cmt slung</i>                            |
| <i>19:21</i> |             | <i>0</i>    | <i>0</i>          | <i>-</i> | <i>0</i>    |            |               | <i>shut down, wash line, Dropplug</i>       |
| <i>19:24</i> | <i>NA</i>   | <i>110</i>  | <i>149</i>        | <i>-</i> | <i>6</i>    | <i>160</i> | <i>8.3</i>    | <i>DISPLACE</i>                             |
| <i>19:41</i> |             | <i>160</i>  | <i>100</i>        | <i>-</i> | <i>5</i>    |            |               | <i>Lower Rt.</i>                            |
| <i>19:53</i> |             | <i>1200</i> | <i>149.5</i>      | <i>-</i> | <i>5</i>    |            |               | <i>Bump plug</i>                            |
| <i>19:54</i> |             | <i>0</i>    |                   |          |             |            |               | <i>Block done float held</i>                |

RELEASED **KGC**  
NOV 1996  
JUL 8  
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REMARKS

| SYSTEM CODE | NO. OF SACKS | YIELD CU. FT/SK | COMPOSITION OF CEMENTING SYSTEMS           |             | SLURRY MIXED |  |
|-------------|--------------|-----------------|--|-------------|--------------|--|
|             |              |                 | BBLs                                       | DENSITY     |              |  |
| <i>1.</i>   | <i>125</i>   | <i>1.32</i>     | <i>C + 0% S1 + .16% D60 + 1/4 #/sk D29</i> | <i>29.7</i> | <i>14.8</i>  |  |
| <i>2.</i>   |              |                 |  |             |              |  |
| <i>3.</i>   |              |                 |  |             |              |  |
| <i>4.</i>   |              |                 |  |             |              |  |
| <i>5.</i>   |              |                 |  |             |              |  |
| <i>6.</i>   |              |                 |  |             |              |  |

RECEIVED  
STATE CORPORATION COMMISSION

BREAKDOWN FLUID TYPE

HESITATION SQ.  RUNNING SQ.  CIRCULATION LOST  YES  NO

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. *149.1* Bbls

Washed Thru Perfs  YES  NO TO FT. MEASURED DISPLACEMENT  WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE *Se Bagher* DS SUPERVISOR *Greg Black*

MAX. *1200* MIN. *9*

Cement Circulated To Surf.  YES  NO **JUL 11 1994** Bbls

TYPE OF WELL  OIL  GAS  STORAGE  INJECTION  BRINE WATER  WILDCAT

CONSERVATION DIVISION  
Wichita, Kansas



# THE WESTERN COMPANY CEMENT JOB DETAIL SHEET

# CONFIDENTIAL ORIGINAL

|   |               |  |                         |   |                        |                   |                            |                |               |              |                  |              |               |
|---|---------------|--|-------------------------|---|------------------------|-------------------|----------------------------|----------------|---------------|--------------|------------------|--------------|---------------|
| CUSTOMER<br><i>Hugoton Energy</i>               |               | DATE<br><i>6-6-94</i>                        | F.R.#<br><i>6280015</i> | SER. SUP.<br><i>Accrington</i>            | TYPE JOB<br><i>4/5</i> |                   |                            |                |               |              |                  |              |               |
| LEASE & WELL NAME-OCSG<br><i>Hilderman 3-11</i> |               |  | LOCATION                | COUNTY-PARISH-BLOCK<br><i>Stevens Ks.</i> |                        |                   |                            |                |               |              |                  |              |               |
| DISTRICT<br><i>Berryton</i>                     |               | DRILLING CONTRACTOR RIG #<br><i>workover</i> |                         | OPERATOR<br><i>Same</i>                   |                        |                   |                            |                |               |              |                  |              |               |
| MATERIAL FURNISHED BY WPS                       | TYPE OF PLUGS |  | LIST-CSG-HARDWARE       |   | SQ MANI FOLD Y N       | TOP OF EACH FLUID | PHYSICAL SLURRY PROPERTIES |                |               |              |                  |              |               |
|   | TOP BTM       |  |                         |   |                        |                   |                            | SLURRY WGT PPG | SLURRY YLD FT | WATER GPS    | PUMP TIME HR:MIN | Bbl SLURRY   | Bbl MIX WATER |
|   |               |  |                         |   |                        |                   | <i>12.7</i>                | <i>1.84</i>    | <i>8.8</i>    | <i>5</i>     | <i>82</i>        | <i>54</i>    |               |
|   |               |  |                         |   |                        |                   | <i>14.8</i>                | <i>1.32</i>    | <i>6.3</i>    | <i>4</i>     | <i>35</i>        | <i>23</i>    |               |
| Available Mix Water                             |               | Bbl.   | Available Displ. Fluid  |   | Bbl.                   | TOTAL             |                            | <i>117</i>     | <i>74</i>     |              |                  |              |               |
| HOLE  |               |  | TBG-CSG-D.P.            |   |                        | TBG-CSG-D.P.      |                            |                | COLLAR DEPTHS |              |                  |              |               |
| SIZE  | % EXCESS      | DEPTH  | SIZE                    | WGT.                                      | TYPE                   | DEPTH             | SIZE                       | WGT.           | TYPE          | DEPTH        | SHOE             | FLOAT        | STAGE         |
| <i>-</i>  | <i>-</i>      | <i>-</i>                                     | <i>5 1/2</i>            | <i>15.5</i>                               | <i>-</i>               | <i>3289</i>       | <i>2 3/8</i>               | <i>-</i>       | <i>-</i>      | <i>3289</i>  | <i>-</i>         | <i>-</i>     | <i>3289</i>   |
| LAST CASING                                     |               |  | PKR-CMT RET-BR PL-LINER |   |                        | PERF. DEPTH       |                            |                | TOP CONN      |              | WELL FLUID       |              |               |
| SIZE  | WGT           | TYPE   | DEPTH                   | BRAND & TYPE                              |                        | DEPTH             | TOP                        | BTM            | SIZE          | THREAD       | TYPE             | WGT.         |               |
| <i>5 1/2</i>                                    | <i>15.5</i>   | <i>-</i>                                     | <i>-</i>                | <i>Port collar</i>                        |                        | <i>3289</i>       | <i>-</i>                   | <i>-</i>       | <i>2 3/8</i>  | <i>8 1/2</i> | <i>H2O</i>       | <i>8.3</i>   |               |
| CAL. DISPL. VOL.-Bbl.                           |               |  | CAL. PSI                | CAL. MAX PSI                              | OP. MAX                | MAX TBG PSI       |                            | MAX CSG PSI    |               | DISPL. FLUID |                  | WATER SOURCE |               |
| TBG.  | CSG.          | CSG.   | TOTAL                   | BUMP PLUG                                 | TO REV                 | SQ. PSI           | RATED                      | OP.            | RATED         | OP.          | TYPE             | WGT.         |               |
| <i>12.7</i>                                     | <i>✓</i>      | <i>5 1/2</i>                                 | <i>12.7</i>             | <i>-</i>                                  | <i>-</i>               | <i>-</i>          | <i>-</i>                   | <i>-</i>       | <i>-</i>      | <i>-</i>     | <i>H2O</i>       | <i>8.3</i>   |               |

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: \_\_\_\_\_

| PRESSURE/RATE DETAIL |              |            |              |                   |            | EXPLANATION  |                       |
|----------------------|--------------|------------|--------------|-------------------|------------|--|-----------------------|
| TIME HR: MIN.        | PRESSURE-PSI |            | RATE BPM     | Bbl. FLUID PUMPED | FLUID TYPE | SAFETY MEETING: WPS CREW <input checked="" type="checkbox"/> CO. REP <input checked="" type="checkbox"/> |                       |
|                      | PIPE         | ANNULUS    |              |                   |            | TEST LINES   |                       |
| <i>14:27</i>         | <i>2000</i>  |            | <i>1</i>     | <i>2</i>          | <i>-</i>   | <i>2000</i>  | <i>PSI @</i>          |
| <i>14:50</i>         | <i>600</i>   | <i>CTR</i> | <i>2</i>     | <i>2</i>          | <i>-</i>   | <i>OPEN</i>  | <i>topl Est. RATE</i> |
| <i>14:53</i>         | <i>400</i>   | <i>CTR</i> | <i>3/4</i>   | <i>117</i>        | <i>-</i>   | <i>Mix Cut</i>   |                       |
| <i>15:27</i>         | <i>200</i>   |            | <i>3 1/2</i> | <i>0</i>          | <i>-</i>   | <i>Disp w/ H2O</i>   |                       |
| <i>15:33</i>         | <i>200</i>   |            | <i>3-0</i>   | <i>12.7</i>       | <i>-</i>   | <i>Shutdown</i>  |                       |
| <i>15:34</i>         | <i>0</i>     |            |              |                   | <i>-</i>   | <i>Close tool</i>  |                       |
| <i>15:41</i>         | <i>OPEN</i>  | <i>350</i> | <i>3</i>     | <i>0</i>          | <i>-</i>   | <i>Run two TTS</i>   |                       |
| <i>15:47</i>         | <i>OPEN</i>  | <i>350</i> | <i>3</i>     | <i>15</i>         | <i>-</i>   | <i>Shutdown</i>  |                       |

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**NOV 1 1996**  
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STATE CORPORATION COMMISSION  
**JUL 11 1994**

|              |                  |                   |                   |                            |                 |                 |                      |                    |
|--------------|------------------|-------------------|-------------------|----------------------------|-----------------|-----------------|----------------------|--------------------|
| BUMPED PLUG  | PSI TO BUMP PLUG | TEST FLOAT EQUIP. | TOTAL Bbl. PUMPED | Bbl. CMT RETURNS/ REVERSED | PSI LEFT ON CSG | SPOT TOP CEMENT | SER. SUP.            | CUSTOMER REP.      |
| <i>Y (N)</i> | <i>-</i>         | <i>Y (N)</i>      | <i>145</i>        | <i>2</i>                   | <i>0</i>        | <i>1500</i>     | <i>D. Accrington</i> | <i>J. Braugher</i> |