

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

Operator: License # 5208

Name: Mobil Oil Corporation

Address P.O. Box 2173

2319 North Kansas Avenue

City/State/Zip Liberal, KS 67905-2173

Purchaser: Spot Market

Operator Contact Person: Sharon Cook

Phone (316) 626-1142

Contractor: Name: Norseman Drilling Inc.

License: 3779

Wellsite Geologist: L. J. Reimer

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  S1OW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

10-10-97 10-13-97 11-14-97  
Spud Date Date Reached TD Completion Date

API NO. 15- 189-222380000

County Stevens

- N/2 - S/2 - SE Sec. 7 Twp. 34 Rge. 36 X E

1250 Feet from S (circle one) Line of Section

1320 Feet from E (circle one) Line of Section

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

Lease Name Jester #1 Unit Well # 2

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3091 KB 3101

Total Depth 2985 PBTD 2928

Amount of Surface Pipe Set and Cemented at 683 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set NA Feet

If Alternate II completion, cement circulated from NA

feet depth to NA w/ NA sx cmt.

Drilling Fluid Management Plan Att. 4-30-98 v.c.  
(Data must be collected from the Reserve Pit)

Chloride content 18,000 ppm Fluid volume 275 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name Mobil Oil Corporation

Lease Name \_\_\_\_\_ License No. 5208

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 Sharon A. Cook Sharon A. Cook

Title Regulatory Assistant Date 1-14-97

Subscribed and sworn to before me this 14th day of January, 19 98.

Notary Public Lyn K. Hunt

Date Commission Expires February 20, 2001  
8-4.kcc

|                                     |  |
|-------------------------------------|--|
| K.C.C. OFFICE-USE ONLY              |  |
| F                                   | STATE Letter of Confidentiality Attached |
| C                                   | Wireline Log Received                    |
| C                                   | Geologist Report Received                |
| JAN 16 1998                         |  |
| Distribution                        |  |
| <input checked="" type="checkbox"/> | KCC                                      |
| <input type="checkbox"/>            | KS CONSERVATION DIV                      |
| <input type="checkbox"/>            | Wichita, Kansas                          |
| <input type="checkbox"/>            | SWD/Rep                                  |
| <input type="checkbox"/>            | Plug M                                   |
| <input type="checkbox"/>            | NGPA                                     |
| <input type="checkbox"/>            | Other                                    |
| (Specify)                           |  |



Operator Name Mobil Oil Corporation Lease Name Jester #1 Unit Well # 2  
 Sec. 7 Twp. 34 Rge. 36  East  West  
 County Stevens

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:  
 NO LOGS RUN

Log Formation (Top), Depth and Datums  Sample

| Name | Top | Datum |
|------|-----|-------|
|------|-----|-------|

**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 Casing    | 12.250            | 8.625                     | 24#             | 683           | Class C<br>Class C | 250<br>150   | 50:50 C/poz<br>50:50 C/poz |
| Production Casing | 7.875             | 5.500                     | 14#             | 2973          | Class C<br>Class C | 225<br>100   | 3% D79<br>2% B28           |

**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 Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|--|--|-------|
| 2 SPF          | 2714-20  | Acid: 1,000 gals 7.5% HCL  |       |
|                | 2760-70  | Fract: 33,000 gals WF130 in 70q foam   |       |
|                | 2806-16  | 81,140 lbs 16/30 sand  |       |

**TUBING RECORD** Size 2 3/8" Set At 2837 Packer At \_\_\_\_\_ Liner Run  Yes  No

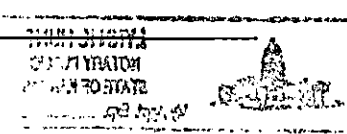
Date of First, Resumed Production, SWD or Inj. 10-31-97 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
|                                   |           | 128     |             |               |         |

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 2714  
2816



Customer: MOBIL OIL CORP V590500757A  
Job: 222222

|  |          |   |             |   |   |                               |                     |
|--|----------|---|-------------|---|---|-------------------------------|---------------------|
| Well: JESTER UNIT #1 2                             |          | Location (legal): SEC. 7-34S-36W  |             | Well Location: Ulysses, KS              |   | Start Date: 10/6/97           |                     |
| Field: HUGOTN                                      |          | Formation Name/Type: Limestone  |             | Deviation: 0                            |   | Bit Size: 12.3 in             |                     |
| County: STEVENS                                    |          | State/Province: KANSAS  |             | Well MD: 0 ft                           |   | Well TVD: 0 ft                |                     |
| Rig Name: NORSEMAN 2                               |          | Drilled For: Gas  |             | Service Via: Land                       |   | BHP: 0 psi                    |                     |
| Water Depth:                                       |          | Well Class: 101   |             | Well Type: Development                  |   | BHST: 0 °F                    |                     |
| Drilling Fluid Type: Bentonite                     |          | Max. Density: 9.5 lb/gal  |             | Plastic Viscosity: 35 cp                |   | BHCT: 0 °F                    |                     |
| Service Line: Cementing                            |          | Job Type: Cem Surface Casing  |             | Casing/Liner                            |   |                               |                     |
| Max. Allowed Tubing Pressure: 2000 psi             |          | Max. Allowed Ann. Pressure: 2000 psi  |             | Wellhead Connection: Single cement head |   | Perforations/Open Hole        |                     |
| Service Instructions: SAFELY CEMENT SURFACE CASING |          | I.D. JLLASITE   |             | WELL # 630048915                        |   | ACCOUNTING CODE 4903          |                     |
|  |          | LOCATION # 63394  |             | <b>ORIGINAL</b>                         |   |                               |                     |
| Casing/Tubing Secured <input type="checkbox"/>     |          | 1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/> |             |   |   |                               |                     |
| Lift Pressure: 250 psi                             |          | Pipe Reciprocated <input type="checkbox"/>                                      |             | Shoe Type: Guide                        |   | Squeeze Job                   |                     |
| No. Centralizers: 0                                |          | Top Plugs: 1  |             | Bottom Plugs: 0                         |   | Shoe Depth: 695 ft            |                     |
| Cement Head Type: Single                           |          | Job Scheduled For: 10/11/97 2:00  |             | Arrived on Location: 10/11/97 2:00      |   | Leave Location: 10/11/97 7:00 |                     |
| Stage Tool Depth: 0 ft                             |          | Collar Depth: 641 ft  |             | Tail Pipe Size: 0 in                    |   | Tail Pipe Depth: 0 ft         |                     |
| Treat Down Casing: 41 bbl                          |          | Casing Vol.: 43 bbl   |             | Annular Vol.: 0 bbl                     |   | Open Hole Vol.: 0 bbl         |                     |
| Casing Tools                                       |          | Squeeze Job   |             | Message                                 |   |                               |                     |
| Time   | Cum Vol  | Density   | Pressure UT | Tail Flowrate                           |   |                               |                     |
| 24 hr  | bbl      | ppg   | psi         | bpm                                     |   |                               |                     |
| 4:17   | 0        | 0   | 0           | 0                                       | 0 | 0                             | START ACQUISITION   |
| 4:17   | 1258E-5  | 9158E-5   | -32.05      | .7549                                   | 0 | 0                             |                     |
| 4:18   | .3861    | 9158E-5   | -35.9       | 9104E-5                                 | 0 | 0                             |                     |
| 4:18   | 0        | 0   | 0           | 0                                       | 0 | 0                             | PAUSE ACQUISITION   |
| 4:18   | 0        | 0   | 0           | 0                                       | 0 | 0                             | (CumVol)=.3921 bbl  |
| 4:18   | 0        | 0   | 0           | 0                                       | 0 | 0                             | Reset Volume        |
| 4:32   | 0        | 0   | 0           | 0                                       | 0 | 0                             | Pressure Test Lines |
| 4:32   | 0        | 8.608   | -31.23      | 3947E-57                                | 0 | 0                             | RESTART AFTER PAUSE |
| 4:33   | 2023E-58 | 8.608   | -27.93      | 1085E-60                                | 0 | 0                             |                     |
| 4:33   | 2023E-58 | 8.609   | -30.47      | 3884E-64                                | 0 | 0                             |                     |
| 4:34   | 2023E-58 | 8.611   | -24.75      | 139E-66                                 | 0 | 0                             |                     |
| 4:34   | 2023E-58 | 8.611   | -31.09      | 4978E-71                                | 0 | 0                             |                     |
| 4:35   | 0        | 0   | 0           | 0                                       | 0 | 0                             | Pressure Test Lines |
| 4:35   | .2446    | 8.637   | 577.7       | 1869                                    | 0 | 0                             |                     |
| 4:35   | .2607    | 8.636   | 1546        | 5257E-6                                 | 0 | 0                             |                     |
| 4:36   | .2638    | 8.637   | 1735        | 1241E-7                                 | 0 | 0                             |                     |
| 4:36   | 0        | 0   | 0           | 0                                       | 0 | 0                             | PAUSE ACQUISITION   |
| 4:36   | 0        | 0   | 0           | 0                                       | 0 | 0                             | (CumVol)=.2638 bbl  |
| 4:36   | 0        | 0   | 0           | 0                                       | 0 | 0                             | Reset Volume        |
| 4:39   | 0        | 8.639   | -36.74      | 5778E-28                                | 0 | 0                             | RESTART AFTER PAUSE |
| 4:39   | 1.58     | 8.61  | 52.71       | 5.546                                   | 0 | 0                             |                     |
| 4:40   | 4.389    | 8.639   | 56.02       | 5.592                                   | 0 | 0                             |                     |

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JAN 16 1998

| Well        |        | JESTER UNIT #1 #2 |             |             | HUGOTN |   | Service Date | Customer  | Job Number               |
|-------------|--------|-------------------|-------------|-------------|--------|---|--------------|-----------|--------------------------|
|             |        |                   |             |             |        |   | 10/6/97      | MOBIL OIL | RP V39050073             |
|             |        |                   |             |             |        |   |              |           | 20024120                 |
| Time        | CumVol | Density           | Pressure UI | TotFlowrate |        |   |              |           | Message                  |
| 24 hr clock | bbf    | PPG               | psi         | bbm         |        |   |              |           |                          |
| 4:40        | 7.199  | 8.615             | 59.26       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:41        | 10.01  | 8.639             | 63.14       | 5.593       | 0      | 0 | 0            |           |                          |
| 4:41        | 12.82  | 8.636             | 65.98       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:42        | 15.64  | 8.634             | 75.6        | 5.592       | 0      | 0 | 0            |           |                          |
| 4:42        | 18.46  | 8.537             | 85.68       | 5.589       | 0      | 0 | 0            |           |                          |
| 4:43        | 21.27  | 8.527             | 90.85       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:43        | 24.08  | 8.623             | 124.8       | 5.587       | 0      | 0 | 0            |           |                          |
| 4:44        | 0      | 0                 | 0           | 0           | 0      | 0 | 0            |           | Start Mixing Lead Slurry |
| 4:44        | 26.98  | 11.56             | 163.9       | 5.59        | 0      | 0 | 0            |           |                          |
| 4:44        | 29.8   | 13.25             | 203.3       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:45        | 32.61  | 12.66             | 176.7       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:45        | 35.43  | 12.7              | 170.7       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:45        | 38.24  | 12.75             | 162.6       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:45        | 41.05  | 12.93             | 160         | 5.595       | 0      | 0 | 0            |           |                          |
| 4:47        | 43.87  | 12.97             | 150.7       | 5.591       | 0      | 0 | 0            |           |                          |
| 4:48        | 46.68  | 12.93             | 136.3       | 5.601       | 0      | 0 | 0            |           |                          |
| 4:48        | 49.49  | 13.02             | 122.1       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:49        | 52.31  | 12.9              | 112.1       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:49        | 55.12  | 12.61             | 100         | 5.596       | 0      | 0 | 0            |           |                          |
| 4:50        | 57.94  | 12.28             | 83.37       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:50        | 60.75  | 12.72             | 102.1       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:51        | 63.56  | 12.96             | 105.5       | 5.588       | 0      | 0 | 0            |           |                          |
| 4:51        | 66.37  | 12.92             | 108.1       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:52        | 69.19  | 12.63             | 101.3       | 5.593       | 0      | 0 | 0            |           |                          |
| 4:52        | 72.01  | 13.1              | 113.8       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:53        | 74.82  | 13.1              | 125.7       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:53        | 77.63  | 13.01             | 105.8       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:54        | 80.44  | 12.71             | 113.2       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:54        | 83.25  | 12.92             | 108.5       | 5.594       | 0      | 0 | 0            |           |                          |
| 4:55        | 86.07  | 13.31             | 118.6       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:55        | 88.88  | 13.14             | 109.6       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:56        | 91.69  | 12.89             | 101.7       | 5.599       | 0      | 0 | 0            |           |                          |
| 4:56        | 94.51  | 12.66             | 93.72       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:57        | 97.32  | 12.76             | 100.5       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:57        | 100.1  | 12.89             | 105.2       | 5.58        | 0      | 0 | 0            |           |                          |
| 4:58        | 103    | 13.21             | 112.9       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:58        | 105.8  | 13.12             | 106         | 5.592       | 0      | 0 | 0            |           |                          |
| 4:59        | 108.6  | 13.06             | 106.9       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:59        | 0      | 0                 | 0           | 0           | 0      | 0 | 0            |           | End Lead Slurry          |
| 4:59        | 111.4  | 13.2              | 100.2       | 5.592       | 0      | 0 | 0            |           |                          |
| 4:59        | 0      | 0                 | 0           | 0           | 0      | 0 | 0            |           | Start Mixing Tail Slurry |
| 5:00        | 114.2  | 14.93             | 147.7       | 5.59        | 0      | 0 | 0            |           |                          |
| 5:00        | 117    | 14.52             | 157         | 5.601       | 0      | 0 | 0            |           |                          |
| 5:01        | 119.8  | 14.66             | 151.3       | 5.594       | 0      | 0 | 0            |           |                          |
| 5:01        | 122.6  | 14.84             | 158.5       | 5.593       | 0      | 0 | 0            |           |                          |
| 5:02        | 125.4  | 14.94             | 164.7       | 5.592       | 0      | 0 | 0            |           |                          |
| 5:02        | 128.3  | 14.6              | 155         | 5.592       | 0      | 0 | 0            |           |                          |
| 5:03        | 131.1  | 14.44             | 144.9       | 5.601       | 0      | 0 | 0            |           |                          |
| 5:03        | 133.9  | 14.63             | 143         | 5.589       | 0      | 0 | 0            |           |                          |
| 5:04        | 136.7  | 15.06             | 159.5       | 5.59        | 0      | 0 | 0            |           |                          |
| 5:04        | 139.5  | 14.74             | 150.5       | 5.593       | 0      | 0 | 0            |           |                          |
| 5:05        | 142.3  | 14.48             | 134.6       | 5.592       | 0      | 0 | 0            |           |                          |
| 5:05        | 145.1  | 14.67             | 127.2       | 5.592       | 0      | 0 | 0            |           |                          |
| 5:06        | 147.1  | 13.92             | -26.6       | 2752        | 0      | 0 | 0            |           |                          |

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CONSERVATION DIVISION  
Wichita, Kansas

| Well        |        | JESTER UNIT #1 #2 |             |             |   | HUGOTN |   | Service Date | Customer        | Job Number   |          |
|-------------|--------|-------------------|-------------|-------------|---|--------|---|--------------|-----------------|--------------|----------|
|             |        |                   |             |             |   |        |   | 10/6/97      | MOBIL C         | RP V39050078 | 20024123 |
| Time        | CumVol | Density           | Pressure UT | TotFlowrate |   |        |   |              | Message         |              |          |
| 24 hr clock | bbf    | ppg               | psi         | bpm         |   |        |   |              |                 |              |          |
| 5:06        | 0      | 0                 | 0           | 0           | 0 | 0      | 0 | 0            | End Tail Slurry |              |          |
| 5:06        | 147.2  | 14.03             | -32.16      | 9853E-8     | 0 | 0      | 0 | 0            |                 |              |          |
| 5:07        | 147.2  | 13.49             | 4.639       | 1.207       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:07        | 148.4  | 11.03             | -2.546      | .5146       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:08        | 148.4  | 11.11             | -38.16      | 1845E-7     | 0 | 0      | 0 | 0            |                 |              |          |
| 5:08        | 148.4  | 11.09             | -36.41      | 6604E-11    | 0 | 0      | 0 | 0            |                 |              |          |
| 5:09        | 148.4  | 11.05             | -34.4       | 2364E-14    | 0 | 0      | 0 | 0            |                 |              |          |
| 5:09        | 148.4  | 11.01             | -33.27      | 8465E-18    | 0 | 0      | 0 | 0            |                 |              |          |
| 5:10        | 148.8  | 10.5              | 4.876       | 2.819       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:10        | 151.4  | 9.443             | 42.3        | 5.717       | 0 | 0      | 0 | 0            | <b>ORIGINAL</b> |              |          |
| 5:11        | 154.3  | 8.592             | 38.94       | 5.71        | 0 | 0      | 0 | 0            |                 |              |          |
| 5:11        | 157.2  | 8.427             | 47.77       | 5.711       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:12        | 160    | 8.634             | 69.43       | 5.711       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:12        | 162.9  | 8.639             | 86.09       | 5.721       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:13        | 165.8  | 8.639             | 109.1       | 5.708       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:13        | 168.7  | 8.64              | 129.6       | 5.706       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:14        | 171.6  | 8.663             | 141         | 5.708       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:14        | 174.5  | 8.625             | 164.8       | 5.6         | 0 | 0      | 0 | 0            |                 |              |          |
| 5:15        | 177.3  | 8.629             | 183.1       | 5.592       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:15        | 180.1  | 8.63              | 200.9       | 5.588       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:16        | 182.5  | 8.631             | 154.2       | 2.726       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:16        | 183.4  | 8.635             | 159.9       | 1.767       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:17        | 184.2  | 8.63              | 167.8       | 1.76        | 0 | 0      | 0 | 0            |                 |              |          |
| 5:17        | 185.1  | 8.627             | 175.2       | 1.756       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:18        | 186    | 8.621             | 176.9       | 1.747       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:18        | 186.8  | 8.623             | 175         | .9092       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:19        | 187.2  | 8.626             | 177.2       | .7223       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:19        | 187.6  | 8.629             | 180.8       | 7144        | 0 | 0      | 0 | 0            |                 |              |          |
| 5:20        | 187.9  | 8.627             | 179.4       | .7211       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:20        | 188.3  | 8.631             | 186.5       | .72         | 0 | 0      | 0 | 0            |                 |              |          |
| 5:21        | 188.6  | 8.628             | 185.2       | .7181       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:21        | 189    | 8.625             | 191.9       | .7089       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:22        | 189.4  | 8.625             | 192.9       | .7177       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:22        | 189.7  | 8.624             | 258.3       | .6858       | 0 | 0      | 0 | 0            |                 |              |          |
| 5:23        | 189.8  | 8.639             | 567.8       | 5067E-7     | 0 | 0      | 0 | 0            |                 |              |          |
| 5:23        | 189.8  | 8.639             | 565.7       | 1814E-10    | 0 | 0      | 0 | 0            |                 |              |          |
| 5:24        | 189.8  | 8.639             | 94.11       | 6495E-14    | 0 | 0      | 0 | 0            |                 |              |          |
| 5:24        | 189.8  | .3249             | -34.63      | 2826E-17    | 0 | 0      | 0 | 0            |                 |              |          |
| 5:25        | 189.8  | .2139             | -30.07      | 8326E-21    | 0 | 0      | 0 | 0            |                 |              |          |
| 5:25        | 189.8  | .2137             | -30.58      | 2981E-24    | 0 | 0      | 0 | 0            |                 |              |          |
| 5:26        | 189.8  | .2061             | -36.32      | 1067E-27    | 0 | 0      | 0 | 0            |                 |              |          |
| 5:26        | 0      | 0                 | 0           | 0           | 0 | 0      | 0 | 0            | Bump Top Plug   |              |          |
| 5:26        | 189.8  | .206              | -36.67      | 3821E-31    | 0 | 0      | 0 | 0            |                 |              |          |
| 5:27        | 0      | 0                 | 0           | 0           | 0 | 0      | 0 | 0            | End Job         |              |          |

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JAN 16 1998

CONSERVATION DIVISION  
Wichita, Kansas

|   |                        |                    |                                   |                               |  |   |
|---|------------------------|--------------------|-----------------------------------|-------------------------------|--|---|
| Well<br>JESTER UNIT #1 #2                           |                        | Fracture<br>HUGOTN |                                   | Service Date<br>10/6/97       | Customer<br>MOBIL OIL CORP V39050075                                     | Job Number<br>29024123                            |
| Time<br>24 hr<br>clock                              | CumVol<br>bbl          | Density<br>PPG     | Pressure U1<br>psi                | TotalFlowrate<br>bpm          | Message  |   |
| <b>Post Job Summary</b>                             |                        |                    |                                   |                               |  |   |
| Average Pump Rates, bpm                             |                        |                    |                                   | Volume of Fluid Injected, bbl |  |   |
| Slurry  | N2                     | Mud                | Maximum Rate                      | Total Slurry                  | Mud  | Spacer N2   |
| 5.5   | 0                      | 0                  | 5.5                               | 116                           | 0  | 25 0  |
| Treating Pressure Summary, psi                      |                        |                    |                                   | Breakdown Fluid               |  |   |
| Maximum   | Final                  | Average            | Bump Plug to Breakdown            | Type                          | Volume   | Density   |
| 600   | 600                    | 180                | 40 0                              |                               | 13 bbl   | 0 lb/gal  |
| Avg. N2 Percent                                     | Designed Slurry Volume |                    | Displacement                      |                               | <input checked="" type="checkbox"/> Cement Circulated to Surface? Volume | bbl   |
| 0 %   | 0 bbl                  |                    | 41 bbl                            |                               | <input type="checkbox"/> Washed Thru Perfs To                            | 0 ft  |
| Customer or Authorized Representative<br>LARRY LOVE |                        |                    | Dowell Supervisor<br>JEFF DISEKER |                               | <input type="checkbox"/> Circulation Lost                                | <input checked="" type="checkbox"/> Job Completed |

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# Cementing Service Report

| Customer: MOBIL OIL CORP. V350500757A  |         | Job Number: 20024125   |          |         |   |   |                     |
|--|---------|--|----------|---------|---|---|---------------------|
| Location (legal): JESTER UNIT #1 2   |         | Dowell Location: Ulysses, KS   |          |         |   |   |                     |
| Formation Name/Type: HUGOTN Limestone  |         | Service Date: 10/6/97  |          |         |   |   |                     |
| State/Province: KANSAS   |         | Well TVD: 2,985 ft   |          |         |   |   |                     |
| Rig Name: NORSEMAN 2   |         | Wellhead Connection: Single cement head  |          |         |   |   |                     |
| Drilled For: Gas   |         | Service Via: Land  |          |         |   |   |                     |
| Water Depth: 0   |         | Well Class: 101  |          |         |   |   |                     |
| Development: 0   |         | Well Type: 0   |          |         |   |   |                     |
| Drilling Fluid Type: Bentonite   |         | Max. Density: 9.5 lb/gal   |          |         |   |   |                     |
| Plastic Viscosity: 30 cp   |         | Job Type: Cem Prod Casing  |          |         |   |   |                     |
| Service Line: Cementing  |         | Max. Allowed Tubing Pressure: 2500 psi   |          |         |   |   |                     |
| Max. Allowed Ann. Pressure: 2500 psi   |         | Max. Allowed Ann. Pressure: 2500 psi   |          |         |   |   |                     |
| Service Instructions: 5 1/2 LONGSTRING +- 2985' TAKE 5 1/2 TOP PLASTIC PLUG  |         | Wellhead Connection: Single cement head  |          |         |   |   |                     |
| <div style="font-size: 2em; font-weight: bold; opacity: 0.5;">ORIGINAL</div> |         | Perforations/Open Hole   |          |         |   |   |                     |
|  |         | Total Interval: 0 ft   |          |         |   |   |                     |
| F.E. 7240.50   |         | Diameter: 0 in   |          |         |   |   |                     |
| Casing/Tubing Secured: <input type="checkbox"/>                              |         | 1 Hole Volume Circulated prior to Cementing: <input checked="" type="checkbox"/> |          |         |   |   |                     |
| Lift Pressure: 500 psi   |         | Casing Tools   |          |         |   |   |                     |
| Pipe Rotated: <input type="checkbox"/>                                       |         | Squeeze Job  |          |         |   |   |                     |
| No. Centralizers: 0  |         | Shoe Type: Float   |          |         |   |   |                     |
| Top Plugs: 1   |         | Shoe Depth: 0 ft   |          |         |   |   |                     |
| Bottom Plugs: 0  |         | Stage Tool Type: 0 ft  |          |         |   |   |                     |
| Cement Head Type: Single   |         | Stage Tool Depth: 0 ft   |          |         |   |   |                     |
| Job Scheduled For: 10/12/97 10:00  |         | Tail Pipe Size: 0 in   |          |         |   |   |                     |
| Arrived on Location: 10/12/97 15:00  |         | Tail Pipe Depth: 0 ft  |          |         |   |   |                     |
| Leave Location: 10/12/97 15:00   |         | Collar Type: Other   |          |         |   |   |                     |
|  |         | Collar Depth: 2927 ft  |          |         |   |   |                     |
|  |         | Sqs Total Vol: 0 bbl   |          |         |   |   |                     |
| Time   | Density | Pressure   | Temp     | Message |   |   |                     |
| 11:56  | 0       | 0  | 0        | 0       | 0 | 0 | START ACQUISITION   |
| 11:56  | -6.25   | -3750  | 0        | 0       | 0 | 0 |                     |
| 11:56  | 0       | 0  | 0        | 0       | 0 | 0 | Pressure Test Lines |
| 11:56  | 8.326   | -6.89  | 1.073    | 0       | 0 | 0 |                     |
| 11:57  | 8.326   | 2556   | 6697E-6  | 0       | 0 | 0 |                     |
| 11:57  | 8.33    | 2297   | 2397E-9  | 0       | 0 | 0 |                     |
| 11:58  | 7.952   | 2149   | 8582E-13 | 0       | 0 | 0 |                     |
| 11:58  | 8.388   | -11.54   | 3073E-16 | 0       | 0 | 0 |                     |
| 11:59  | 8.387   | -6.523   | 11E-17   | 0       | 0 | 0 |                     |
| 11:59  | 0       | 0  | 0        | 0       | 0 | 0 | Start Job           |
| 11:59  | 8.363   | 1557   | 6154E-5  | 0       | 0 | 0 |                     |
| 12:00  | 8.379   | 1576   | 2203E-8  | 0       | 0 | 0 |                     |
| 12:00  | 8.379   | 16.31  | 7886E-12 | 0       | 0 | 0 |                     |
| 12:01  | 8.356   | 195.4  | 4.7      | 0       | 0 | 0 |                     |
| 12:01  | 8.324   | 205.6  | 5.74     | 0       | 0 | 0 |                     |
| 12:02  | 8.269   | 210.6  | 5.728    | 0       | 0 | 0 |                     |
| 12:02  | 8.272   | 215.9  | 5.712    | 0       | 0 | 0 |                     |
| 12:03  | 8.282   | 225.9  | 5.717    | 0       | 0 | 0 |                     |
| 12:03  | 8.294   | 230.2  | 5.705    | 0       | 0 | 0 |                     |
| 12:04  | 8.306   | 237.7  | 5.696    | 0       | 0 | 0 |                     |
| 12:04  | 8.313   | 242.6  | 5.701    | 0       | 0 | 0 |                     |
| 12:05  | 11.44   | 275.5  | 5.66     | 0       | 0 | 0 |                     |

| WATER UNIT #1 #2 |                | File         | HUGOTN  | Service Date | Customer | Job Number               |
|------------------|----------------|--------------|---------|--------------|----------|--------------------------|
| Density          | Pressure (psi) | Tailflowrate |         |              |          | Message                  |
| ppg              | psi            | gpm          |         |              |          |                          |
| 0                | 0              | 0            | 0       | 0            | 0        | (CumVol)=24.92 bbl       |
| 5                | 0              | 0            | 0       | 0            | 0        | Reset Volume             |
| 05               | 11.51          | 270.9        | 5.672   | 0            | 0        |                          |
| 2:06             | 11.53          | 261.5        | 5.685   | 0            | 0        |                          |
| 12:06            | 11.37          | 246.2        | 5.693   | 0            | 0        |                          |
| 12:07            | 11.48          | 239.6        | 5.697   | 0            | 0        |                          |
| 12:07            | 11.57          | 227.1        | 5.707   | 0            | 0        |                          |
| 12:08            | 11.51          | 214.5        | 5.71    | 0            | 0        |                          |
| 12:08            | 11.41          | 202          | 5.729   | 0            | 0        |                          |
| 12:09            | 11.45          | 192.5        | 5.722   | 0            | 0        |                          |
| 12:09            | 11.54          | 183.2        | 5.725   | 0            | 0        |                          |
| 12:10            | 11.54          | 168.4        | 5.73    | 0            | 0        |                          |
| 12:10            | 11.48          | 157.1        | 5.729   | 0            | 0        |                          |
| 12:11            | 11.5           | 148.1        | 5.741   | 0            | 0        |                          |
| 12:11            | 11.43          | 134.1        | 5.735   | 0            | 0        |                          |
| 12:12            | 11.45          | 128.3        | 5.738   | 0            | 0        |                          |
| 12:12            | 11.27          | 124.5        | 5.751   | 0            | 0        |                          |
| 12:13            | 11.44          | 128.2        | 5.751   | 0            | 0        |                          |
| 12:13            | 11.37          | 128.2        | 5.754   | 0            | 0        |                          |
| 12:14            | 11.48          | 129.3        | 5.751   | 0            | 0        |                          |
| 12:14            | 11.29          | 128.2        | 5.756   | 0            | 0        |                          |
| 12:15            | 11.93          | 133.8        | 5.737   | 0            | 0        |                          |
| 12:15            | 11.67          | 128.2        | 5.749   | 0            | 0        |                          |
| 12:16            | 11.44          | 128.1        | 5.744   | 0            | 0        |                          |
| 12:16            | 11.51          | 128.2        | 5.723   | 0            | 0        |                          |
| 12:17            | 11.54          | 128.2        | 5.73    | 0            | 0        |                          |
| 12:17            | 11.56          | 128.2        | 5.723   | 0            | 0        |                          |
| 12:18            | 11.56          | 128.2        | 5.727   | 0            | 0        |                          |
| 12:18            | 11.51          | 128.2        | 5.722   | 0            | 0        |                          |
| 12:19            | 11.36          | 128.2        | 5.723   | 0            | 0        |                          |
| 12:19            | 11.5           | 128.2        | 5.718   | 0            | 0        |                          |
| 12:20            | 11.63          | 128.2        | 5.728   | 0            | 0        |                          |
| 12:20            | 11.5           | 128.2        | 5.718   | 0            | 0        |                          |
| 12:21            | 11.55          | 128.2        | 5.732   | 0            | 0        |                          |
| 12:21            | 11.49          | 128.2        | 5.729   | 0            | 0        |                          |
| 12:22            | 11.44          | 128.2        | 5.729   | 0            | 0        |                          |
| 12:22            | 11.47          | 128.2        | 5.734   | 0            | 0        |                          |
| 12:23            | 11.65          | 128.2        | 5.742   | 0            | 0        |                          |
| 12:23            | 11.67          | 130.4        | 5.763   | 0            | 0        |                          |
| 12:24            | 14.55          | 91.41        | 3.955   | 0            | 0        |                          |
| 12:24            | 0              | 0            | 0       | 0            | 0        | Start Mixing Tail Slurry |
| 12:24            | 14.92          | 186.1        | 5.416   | 0            | 0        |                          |
| 12:25            | 14.77          | 201.4        | 5.704   | 0            | 0        |                          |
| 12:25            | 14.83          | 209.7        | 5.707   | 0            | 0        |                          |
| 12:26            | 14.8           | 203          | 5.707   | 0            | 0        |                          |
| 12:26            | 14.98          | 214          | 5.708   | 0            | 0        |                          |
| 12:27            | 14.91          | 212.8        | 5.707   | 0            | 0        |                          |
| 12:27            | 14.67          | 202.9        | 5.712   | 0            | 0        |                          |
| 12:28            | 14.68          | 209.1        | 5.711   | 0            | 0        |                          |
| 12:28            | 0              | 0            | 0       | 0            | 0        | End Tail Slurry          |
| 12:28            | 14.02          | -9.397       | 1637E-5 | 0            | 0        |                          |
| 12:28            | 0              | 0            | 0       | 0            | 0        | PAUSE ACQUISITION        |
| 12:34            | 0              | 0            | 0       | 0            | 0        | RESTART AFTER PAUSE      |
| 12:34            | 9.088          | 86.59        | 5.737   | 0            | 0        |                          |

ORIGINAL

STATE CORP. COMM. DIVISION

JAN 4 6 1994



| Well              | Field   | Service Date   | Customer                 | Job Number |   |   |   |               |
|-------------------|---------|----------------|--------------------------|------------|---|---|---|---------------|
| JESTER UNIT #1 #2 | HUGOTN  | 10/6/97        | MOBIL OIL CORP V39050075 | 20024125   |   |   |   |               |
| Time              | Density | Pressure (psi) | Flow Rate (bpm)          | Message    |   |   |   |               |
| 12:35             | 9.048   | 86.36          | 5.758                    | 0          | 0 | 0 | 0 |               |
| 12:35             | 8.971   | 86.8           | 5.76                     | 0          | 0 | 0 | 0 |               |
| 12:36             | 8.885   | 86.63          | 5.724                    | 0          | 0 | 0 | 0 |               |
| 12:36             | 8.782   | 73.48          | 5.738                    | 0          | 0 | 0 | 0 |               |
| 12:37             | 8.715   | 109.6          | 5.729                    | 0          | 0 | 0 | 0 |               |
| 12:37             | 8.639   | 128.1          | 5.719                    | 0          | 0 | 0 | 0 |               |
| 12:38             | 8.638   | 155.3          | 5.69                     | 0          | 0 | 0 | 0 | ORIGINAL      |
| 12:38             | 8.612   | 178.5          | 5.693                    | 0          | 0 | 0 | 0 |               |
| 12:39             | 8.61    | 205.6          | 5.667                    | 0          | 0 | 0 | 0 |               |
| 12:39             | 8.633   | 230.7          | 5.644                    | 0          | 0 | 0 | 0 |               |
| 12:40             | 8.607   | 255.3          | 5.636                    | 0          | 0 | 0 | 0 |               |
| 12:40             | 8.657   | 285.1          | 5.64                     | 0          | 0 | 0 | 0 |               |
| 12:41             | 8.637   | 332.9          | 5.623                    | 0          | 0 | 0 | 0 |               |
| 12:41             | 8.604   | 392.2          | 5.6                      | 0          | 0 | 0 | 0 |               |
| 12:42             | 8.619   | 444.8          | 5.596                    | 0          | 0 | 0 | 0 |               |
| 12:42             | 8.637   | 499.3          | 5.574                    | 0          | 0 | 0 | 0 |               |
| 12:43             | 8.661   | 527.9          | 5.131                    | 0          | 0 | 0 | 0 |               |
| 12:43             | 8.531   | 470.5          | 2.56                     | 0          | 0 | 0 | 0 |               |
| 12:44             | 8.631   | 480.4          | 2.099                    | 0          | 0 | 0 | 0 |               |
| 12:44             | 8.595   | 495.2          | 2.024                    | 0          | 0 | 0 | 0 |               |
| 12:45             | 8.639   | 517            | 1.981                    | 0          | 0 | 0 | 0 |               |
| 12:45             | 8.604   | 536.6          | 1.932                    | 0          | 0 | 0 | 0 |               |
| 12:46             | 8.63    | 533.2          | 1.189                    | 0          | 0 | 0 | 0 |               |
| 12:46             | 8.698   | 543.3          | 1.112                    | 0          | 0 | 0 | 0 |               |
| 12:47             | 8.639   | 553.1          | 1.052                    | 0          | 0 | 0 | 0 |               |
| 12:47             | 8.704   | 561.6          | 1.017                    | 0          | 0 | 0 | 0 |               |
| 12:48             | 8.718   | 571.3          | .9948                    | 0          | 0 | 0 | 0 |               |
| 12:48             | 8.724   | 580.3          | .9621                    | 0          | 0 | 0 | 0 |               |
| 12:49             | 8.732   | 588.5          | .9363                    | 0          | 0 | 0 | 0 |               |
| 12:49             | 8.718   | 788            | .4794                    | 0          | 0 | 0 | 0 |               |
| 12:50             | 0       | 0              | 0                        | 0          | 0 | 0 | 0 | Bump Top Plug |
| 12:50             | 7.814   | 1160           | 9176E-6                  | 0          | 0 | 0 | 0 |               |
| 12:50             | 7.22    | 1154           | 3285E-9                  | 0          | 0 | 0 | 0 |               |
| 12:51             | 6.573   | 1154           | 1176E-12                 | 0          | 0 | 0 | 0 |               |
| 12:51             | 6.563   | 1153           | 4211E-16                 | 0          | 0 | 0 | 0 |               |
| 12:52             | 6.563   | 1149           | 1508E-19                 | 0          | 0 | 0 | 0 |               |
| 12:52             | 6.563   | 1145           | 5397E-23                 | 0          | 0 | 0 | 0 |               |
| 12:53             | 6.612   | 11.03          | 1932E-26                 | 0          | 0 | 0 | 0 |               |
| 12:53             | 5.83    | -1.723         | 6918E-30                 | 0          | 0 | 0 | 0 |               |
| 12:54             | 0       | 0              | 0                        | 0          | 0 | 0 | 0 | End Job       |

Post Job Summary

|                                       |       |                        |              |                               |   |  |          |
|---------------------------------------|-------|------------------------|--------------|-------------------------------|---|--|----------|
| Average Pump Rates, bpm               |       |                        |              | Volume of Fluid Injected, bbl |   |  |          |
| Slurry                                | N2    | Mud                    | Maximum Rate | Total Slurry                  | Mud   | Spacer   | N2       |
| 5.5                                   | 0     | 0                      | 5.7          | 134                           | 0   | 25   | 0        |
| Treating Pressure Summary, psi        |       |                        |              |                               | Breakdown Fluid RECEIVED  |  |          |
| Maximum                               | Final | Average                | Bump Plug to | Breakdowns                    | Type  | VOLUME CORPORATION COMPANY   |          |
| 1160                                  | 788   | 250                    | 0            | 0                             |   | 0 bbl  | 0 lb/gal |
| Avg. N2 Percent                       |       | Designed Slurry Volume |              | Displacement                  | <input type="checkbox"/> Cement Circulated to Surface Volume 5 1998 bbl<br><input type="checkbox"/> Washed Thru Perts To 0 ft |  |          |
| 0 %                                   |       | 0 bbl                  |              | 71.2 bbl                      |   |  |          |
| Customer or Authorized Representative |       |                        |              | Dowell Supervisor             |   | CONSERVATION DIVISION  |          |
| LARRY LOVE                            |       |                        |              | JEFF DISEKER                  |   | <input type="checkbox"/> Circulation Lost Kansas <input checked="" type="checkbox"/> Job Completed |          |