KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

# WELL COMPLETION FORM

## WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 5208
Name: Exxon Mobil Oil Corporation *
Address: P. O. Box 4358
City/State/Zip: Houston, TX 77210-4358
Purchaser: Duke Energy Trading & Marketing
Operator Contact Person: Kitty Birt
Phone: (713) 431-1898
Contractor: Name: DOWELL
License: N. A.
Wellsite Geologist: N. A.

RECEIVED
KANSAS CORPORATION COMMISSION
MAY 09 2002
CONSERVATION DIVISION
WICHITA, KS

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

If Workover/Re-entry: Old Well Info as follows:
Operator: Mobil Oil Corporation
Well Name: Gregg Unit 1, Well 2
Original Comp. Date: 07/31/1987 Original Total Depth: 6774
XXX FRACTURE TREATED
___ Deepening ___ Re-perf. ___ Conv. to Enhr./SWD
___ Plug Back ___ Plug Back Total Depth
___ Commingled Docket No.
___ Dual Completion Docket No.
___ Other (SWD or Enhr.?) Docket No.

04/19/2001 Spud Date or START Recompletion Date OF WORKOVER
-- Date Reached TD
04/28/2001 Completion Date or Recompletion Date WORKOVER

API No. 15 - 189-21083-0003
County: Stevens
SE NE SE Sec. 14 Twp. 34 S. R. 36 ☐ East ☑ West
1650 feet from (S) / N (circle one) Line of Section
330 feet from (E) / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Gregg #1 Unit Well #: 2
Field Name: Hugoton
Producing Formation: Chase
Elevation: Ground: 3043 Kelly Bushing: 3061
Total Depth: 6774 Plug Back Total Depth: 3300
Amount of Surface Pipe Set and Cemented at 1754 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set N. A. Feet
If Alternate II completion, cement circulated from N. A.
feet depth to N. A. w/ N. A. sx cmt.

Drilling Fluid Management Plan REWORK GH 6/19/02
(Data must be collected from the Reserve Pit)
Chloride content N. A. ppm Fluid volume N. A. bbls
Dewatering method used
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License No.:
Quarter Sec. Twp. S. R. ☐ East ☐ West
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 of 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: Kitty Birt
Title: Completions Admin. Date: April 24, 2002
Subscribed and sworn to before me this 24th day of April, 2002.
Notary Public: Kim Lynch
Date Commission Expires: Aug. 26, 2002

KIM LYNCH
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES
AUG. 26, 2002

**KCC Office Use ONLY**
___ Letter of Confidentiality Attached
If Denied, Yes ☐ Date:
___ Wireline Log Received
___ Geologist Report Received
___ UIC Distribution
KCC

X

*Side Two*

Operator Name: Exxon Mobil Oil Corporation * Lease Name: Gregg #1 Unit Well #: 2

Sec. 14 Twp. 34 S. R. 36 ☐ East ☑ West County: Stevens

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

| | | | | |
|---|---|---|---|---|
| Drill Stem Tests Taken *(Attach Additional Sheets)* | ☐ Yes | ☑ No | ☐ Log | ☐ Sample |
| Samples Sent to Geological Survey | ☐ Yes | ☑ No | | |
| Cores Taken | ☐ Yes | ☑ No | | |
| Electric Log Run *(Submit Copy)* | ☐ Yes | ☑ No | | |
| List All E. Logs Run: | | | | |

Formation (Top), Depth and Datum

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

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 | 24 | 1754 | CL-C | 632 | 65:35:6+2 CACL |
| | | | | | CL-C | 100 | +2 CACL |
| Production | 7-7/8 | 5-1/2 | 14 | 3345 | CL-H | 260 | 50:50+2%gel.2% |

ADDITIONAL CEMENTING / SQUEEZE RECORD CL-H 100 + 2% CACL

| Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
|---|---|---|---|---|
| | | | | |
| | | | | |

| 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 |
|---|---|---|---|
| 1 | 2690-96, 2726-36, 2748-58, 2776-86, 2795-2805 | Frac w/ 80Q N2 foam @ plus/minus 80 BPM | |
| 2 | 2846-2856 | | |
| | | | |
| | | | |
| | | | |

TUBING RECORD Size Set At Packer At | Liner Run ☐ Yes ☑ No

Date of First, Resumed Production, SWD or Enhr. (See G-2)

Producing Method ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

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

Disposition of Gas METHOD OF COMPLETION Production Interval

☐ Vented ☑ Sold ☐ Used on Lease *(If vented, Sumit ACO-18.)*

☐ Open Hole ☑ Perf. ☐ Dually Comp. ☐ Commingled 2690

☐ Other *(Specify)* _____ 2856

ORIGINAL

Schlumberger

# Stimulation Service Report

15-189-21083-0003

| Customer | Job Number |
|---|---|
| MOBIL OIL CORP | 20213850 |

| Well | Location (legal) | Dowell Location | Job Start |
|---|---|---|---|
| Gregg 1-2 | Sec 20-34-36 | Ulysses, KS | 4/24/01 |

| Field | Formation Name/Type | Deviation | BitSize: | Well MD | Well TVD |
|---|---|---|---|---|---|
| Hugoton | Chase | 0 ° | 0 in | 3,300 ft | 3,300 ft |

| County | State/Province | BHP | BHST | BHCT | Pore Pres Gradient |
|---|---|---|---|---|---|
| Stevens | Kansas | 0 psi | 100 °F | 90 °F | 0 psi/ft |

| Rig Name | Drilled For | Service Via |
|---|---|---|
| | Gas | Land |

| Offshore Zone | Well Class | Well Type |
|---|---|---|
| | Old | Workover |

| Primary Treating Fluid | Polymer Loading | Fluid Density |
|---|---|---|
| 80Q Foam | 30 lb/1000gal | lb/gal |

| Service Line | Job Type |
|---|---|
| Fracturing | Frac,N2Foam/Energized |

| Max. Allowed Tubing Pressure | Max. Allowed Ann. Pressure | WellHead Connection |
|---|---|---|
| 2500 psi | 0 psi | 5 1/2 |

**Service Instructions**

Pumper POD
4 N2
Boom
N2 Transport
FracCAT

| Job Scheduled For: | Arrived on Location: | Leave Location: |
|---|---|---|
| 2/24/01 6:00 | 4/24/01 6:00 | 4/24/01 12:00 |

**Casing**

| Depth, ft | Size, in | Weight, lb/ft | Grade | Thread |
|---|---|---|---|---|
| 3300 | 5.5 | 14 | | |
| | | | | |

**Tubing**

| Depth, | Size, in | Weight, lb/ft | Grade | Thread |
|---|---|---|---|---|
| 0 | 0 | 0 | | |
| 0 | 0 | 0 | | |

**Perforated Intervals**

| Top, ft | Bottom, ft | spf | No. of Shots | Total Interval |
|---|---|---|---|---|
| 2690 | 2696 | 1 | 6 | 26 ft |
| 2726 | 2736 | 1 | 10 | Diameter |
| 2748 | 2758 | 1 | 10 | in |

| Treat Down | Displacement | Packer Type | Packer Depth |
|---|---|---|---|
| Casing | 67.2 bbl | None | 0 ft |

| Tubing Vol. | CasingVol. | AnnularVol. | OpenHoleVol |
|---|---|---|---|
| 0 bbl | 0 bbl | 0 bbl | 0 bbl |

| Time 24 hr clock | BH Inj Rate bpm | Foam Quality % | Nitrogen Rate ft3/min | Pressure U2 psi | Total Flowrate bpm | Total Volume bbl | | | Message |
|---|---|---|---|---|---|---|---|---|---|
| 9:53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | START ACQUISITION |
| 9:53 | 12.45 | 100. | 5280 | -3787 | 0. | 0. | 0 | 0 | |
| 9:53 | 0. | 0. | 0. | 2889 | 0. | 0.168 | 0 | 0 | |
| 9:54 | 0. | 0. | 0. | 2889 | 0. | 0.168 | 0 | 0 | Pressure Test Lines |
| 9:54 | 0. | 0. | 0. | 3516 | 0. | 0.178 | 0 | 0 | |
| 9:54 | 0. | 0. | 0. | 3278 | 0. | 0.178 | 0 | 0 | |
| 9:55 | 0. | 0. | 0. | 3223 | 0. | 0.178 | 0 | 0 | |
| 9:55 | 0. | 0. | 0. | 3196 | 0. | 0.178 | 0 | 0 | |
| 9:56 | 11.42 | 100. | 4840 | 3178 | 0. | 0.178 | 0 | 0 | |
| 9:56 | 11.46 | 100. | 4860 | 3164 | 0. | 0.178 | 0 | 0 | |
| 9:57 | 0. | 0. | 0. | 3155 | 0. | 0.178 | 0 | 0 | |
| 9:57 | 0. | 0. | 0. | 3150 | 0. | 0.178 | 0 | 0 | |
| 9:58 | 0. | 0. | 0. | 3141 | 0. | 0.178 | 0 | 0 | |
| 9:58 | 0. | 0. | 0. | 41.21 | 0. | 0.178 | 0 | 0 | |
| 9:59 | 0. | 0. | 0. | 64.1 | 0. | 0.178 | 0 | 0 | |
| 9:59 | 0. | 0. | 0. | 73.26 | 0. | 0.178 | 0 | 0 | |
| 10:00 | 0. | 0. | 0. | 82.42 | 0. | 0.179 | 0 | 0 | |
| 10:00 | 0. | 0. | 0. | 87. | 0. | 0.179 | 0 | 0 | |
| 10:01 | 0. | 0. | 0. | 96.15 | 0. | 0.179 | 0 | 0 | |
| 10:01 | 0. | 0. | 0. | 41.21 | 0. | 0.179 | 0 | 0 | |
| 10:02 | 0. | 0. | 0. | 54.95 | 0. | 0.179 | 0 | 0 | |
| 10:02 | 5.24 | 0. | 0. | 50.37 | 5.24 | 0.871 | 0 | 0 | |
| 10:03 | 36.92 | 78.7 | 12320 | 201.5 | 7.86 | 4.25 | 0 | 0 | |
| 10:03 | 40.03 | 80.36 | 13640 | 320.5 | 7.86 | 8.2 | 0 | 0 | |
| 10:04 | 39.94 | 80.31 | 13600 | 462.5 | 7.86 | 12.16 | 0 | 0 | |
| 10:04 | 40.03 | 80.48 | 13660 | 586.1 | 7.82 | 16.11 | 0 | 0 | |
| 10:05 | 37. | 59.4 | 9320 | 732.6 | 15.02 | 20.4 | 0 | 0 | |
| 10:05 | 81.19 | 79.94 | 27520 | 1241 | 16.29 | 28.47 | 0 | 0 | |
| 10:06 | 80.86 | 79.97 | 27420 | 1603 | 16.19 | 36.64 | 0 | 0 | |

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KANSAS CORPORATION COMMISSION
MAY 09 2002
CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

| Well | Field | Service Date | Customer | Job Number |
|---|---|---|---|---|
| Gregg #1-2 | Hugoton | | MOBIL OIL CORP | 20213850 |

| Time | BH Inj Rate | Foam Quality | Nitrogen Rate | Pressure U2 | Total Flowrate | Total Volume | | | Message |
|---|---|---|---|---|---|---|---|---|---|
| 24 hr clock | bpm | % | ft3/min | psi | bpm | bbl | | | |
| 10:06 | 80.96 | 79.88 | 27420 | 1795 | 16.29 | 44.81 | 0 | 0 | |
| 10:07 | 81.24 | 79.89 | 27520 | 1891 | 16.33 | 52.99 | 0 | 0 | |
| 10:07 | 81.24 | 79.84 | 27500 | 1818 | 16.38 | 61.22 | 0 | 0 | |
| 10:08 | 52.42 | 68.93 | 15320 | 1685 | 16.29 | 69.46 | 0 | 0 | |
| 10:08 | 52.37 | 68.99 | 15320 | 1603 | 16.24 | 77.61 | 0 | 0 | |
| 10:09 | 81.38 | 80.05 | 27620 | 1571 | 16.24 | 85.78 | 0 | 0 | |
| 10:09 | 52.23 | 68.91 | 15260 | 1552 | 16.24 | 93.91 | 0 | 0 | |
| 10:10 | 80.91 | 80.04 | 27460 | 1538 | 16.15 | 102.1 | 0 | 0 | |
| 10:10 | 80.96 | 79.94 | 27440 | 1525 | 16.24 | 110.2 | 0 | 0 | |
| 10:11 | 80.91 | 79.99 | 27440 | 1516 | 16.19 | 118.4 | 0 | 0 | |
| 10:11 | 81.19 | 80. | 27540 | 1511 | 16.24 | 126.5 | 0 | 0 | |
| 10:12 | 80.67 | 79.93 | 27340 | 1506 | 16.19 | 134.6 | 0 | 0 | |
| 10:12 | 80.91 | 80.04 | 27460 | 1502 | 16.15 | 142.7 | 0 | 0 | |
| 10:13 | 52.18 | 69.06 | 15280 | 1497 | 16.15 | 150.8 | 0 | 0 | |
| 10:13 | 52.32 | 69.05 | 15320 | 1493 | 16.19 | 158.9 | 0 | 0 | |
| 10:14 | 80.91 | 80.04 | 27460 | 1493 | 16.15 | 167.1 | 0 | 0 | |
| 10:14 | 80.67 | 79.99 | 27360 | 1488 | 16.15 | 175.2 | 0 | 0 | |
| 10:15 | 80.91 | 79.93 | 27420 | 1488 | 16.24 | 183.3 | 0 | 0 | |
| 10:15 | 80.91 | 80.04 | 27460 | 1484 | 16.15 | 191.4 | 0 | 0 | |
| 10:16 | 80.86 | 80.03 | 27440 | 1484 | 16.15 | 199.5 | 0 | 0 | |
| 10:16 | 81. | 80.07 | 27500 | 1479 | 16.15 | 207.6 | 0 | 0 | |
| 10:17 | 52.23 | 69. | 15280 | 1479 | 16.19 | 215.7 | 0 | 0 | |
| 10:17 | 81. | 80.07 | 27500 | 1474 | 16.15 | 223.8 | 0 | 0 | |
| 10:18 | 81.33 | 80.03 | 27600 | 1474 | 16.24 | 232. | 0 | 0 | |
| 10:18 | 81.33 | 80.03 | 27600 | 1470 | 16.24 | 240.1 | 0 | 0 | |
| 10:19 | 81. | 79.95 | 27460 | 1470 | 16.24 | 248.3 | 0 | 0 | |
| 10:19 | 81.38 | 80.05 | 27620 | 1465 | 16.24 | 256.4 | 0 | 0 | |
| 10:20 | 81.33 | 80.03 | 27600 | 1465 | 16.24 | 264.6 | 0 | 0 | |
| 10:20 | 81.24 | 80.18 | 27620 | 1465 | 16.1 | 272.7 | 0 | 0 | |
| 10:21 | 81.43 | 80.06 | 27640 | 1465 | 16.24 | 280.8 | 0 | 0 | |
| 10:21 | 84.68 | 80.93 | 29060 | 1465 | 16.15 | 289. | 0 | 0 | |
| 10:22 | 81.52 | 80.08 | 27680 | 1465 | 16.24 | 297.2 | 0 | 0 | |
| 10:22 | 81.52 | 80.08 | 27680 | 1461 | 16.24 | 305.3 | 0 | 0 | |
| 10:23 | 81.34 | 80.21 | 27660 | 1461 | 16.1 | 313.5 | 0 | 0 | |
| 10:23 | 81.52 | 80.08 | 27680 | 1461 | 16.24 | 321.6 | 0 | 0 | |
| 10:24 | 81.57 | 80.09 | 27700 | 1461 | 16.24 | 329.7 | 0 | 0 | |
| 10:24 | 81.48 | 80.24 | 27720 | 1461 | 16.1 | 337.9 | 0 | 0 | |
| 10:25 | 81.62 | 80.1 | 27720 | 1461 | 16.24 | 346. | 0 | 0 | |
| 10:25 | 81.52 | 80.14 | 27700 | 1461 | 16.19 | 354.2 | 0 | 0 | |
| 10:26 | 81.1 | 80.03 | 27520 | 1451 | 16.19 | 362.4 | 0 | 0 | |
| 10:26 | 81.38 | 80.1 | 27640 | 1456 | 16.19 | 370.5 | 0 | 0 | |
| 10:27 | 81.43 | 80.06 | 27640 | 1456 | 16.24 | 378.6 | 0 | 0 | |
| 10:27 | 81.24 | 80.07 | 27580 | 1456 | 16.19 | 386.7 | 0 | 0 | |
| 10:28 | 81.33 | 80.15 | 27640 | 1456 | 16.15 | 394.8 | 0 | 0 | |
| 10:28 | 81.33 | 80.15 | 27640 | 1456 | 16.15 | 402.9 | 0 | 0 | |
| 10:29 | 81.57 | 80.09 | 27700 | 1456 | 16.24 | 411. | 0 | 0 | |
| 10:29 | 81.62 | 80.1 | 27720 | 1456 | 16.24 | 419.1 | 0 | 0 | |
| 10:30 | 81.33 | 80.09 | 27620 | 1456 | 16.19 | 427.3 | 0 | 0 | |
| 10:30 | 81.33 | 80.15 | 27640 | 1456 | 16.15 | 435.4 | 0 | 0 | |
| 10:31 | 81.33 | 80.03 | 27600 | 1456 | 16.24 | 443.5 | 0 | 0 | |
| 10:31 | 81.38 | 80.1 | 27640 | 1456 | 16.19 | 451.6 | 0 | 0 | |
| 10:32 | 85.01 | 80.95 | 29180 | 1456 | 16.19 | 459.7 | 0 | 0 | |
| 10:32 | 81.76 | 80.14 | 27780 | 1456 | 16.24 | 467.9 | 0 | 0 | |
| 10:33 | 81.76 | 80.14 | 27780 | 1456 | 16.24 | 476. | 0 | 0 | |

ORIGINAL

| Well | Field | Service Date | Customer | Job Number |
|---|---|---|---|---|
| Gregg #1-2 | Hugoton | | MOBIL OIL CORP | 20213850 |

| Time (24 hr clock) | BH Inj Rate (bpm) | Foam Quality (%) | Nitrogen Rate (ft3/min) | Pressure U2 (psi) | Total Flowrate (bpm) | Total Volume (bbl) | | | Message |
|---|---|---|---|---|---|---|---|---|---|
| 10:33 | 81.43 | 80.11 | 27660 | 1456 | 16.19 | 484.2 | 0 | 0 | |
| 10:34 | 81.95 | 80.24 | 27880 | 1451 | 16.19 | 492.3 | 0 | 0 | |
| 10:34 | 81.95 | 80.24 | 27880 | 1451 | 16.19 | 500.4 | 0 | 0 | |
| 10:35 | 81.99 | 80.19 | 27880 | 1451 | 16.24 | 508.6 | 0 | 0 | |
| 10:35 | 81.9 | 80.23 | 27860 | 1447 | 16.19 | 516.7 | 0 | 0 | |
| 10:36 | 81.85 | 80.16 | 27820 | 1447 | 16.24 | 524.9 | 0 | 0 | |
| 10:36 | 81.71 | 80.13 | 27760 | 1451 | 16.24 | 533. | 0 | 0 | |
| 10:37 | 81.66 | 80.11 | 27740 | 1447 | 16.24 | 541.2 | 0 | 0 | |
| 10:37 | 81.71 | 80.18 | 27780 | 1442 | 16.19 | 549.3 | 0 | 0 | |
| 10:38 | 65.52 | 100. | 27780 | 1342 | 0. | 550.3 | 0 | 0 | |
| 10:38 | 65.61 | 100. | 27820 | 1355 | 0. | 550.3 | 0 | 0 | |
| 10:39 | 0. | 0. | 0. | 1227 | 0. | 550.3 | 0 | 0 | |
| 10:39 | 0. | 0. | 0. | 1181 | 0. | 550.3 | 0 | 0 | |
| 10:40 | 0. | 0. | 0. | 1163 | 0. | 550.3 | 0 | 0 | |

## Post Job Summary

### Average Injection Rates, bpm

| Fluid | N2 | CO2 | Maximum Rate |
|---|---|---|---|
| 16 | 27400 | 0 | 16 |

### Volume of Fluid Injected, bbl

| Clean Fluid | Acid | Oil | CO2 | N2 (scf) |
|---|---|---|---|---|
| 550 | 0 | 0 | 0 | 0 |

### Treating Pressure Summary, psi

| Breakdown | Maximum | Final | Average | ISIP | 15 Min. ISIP |
|---|---|---|---|---|---|
| 0 | 1950 | 1370 | 1520 | 1190 | 0 |

### Quantity of & placed, lb

| Total Injected | Total Ordered/Designed |
|---|---|
| 0 | 0 |

| N2 Percent | CO2 Percent | Designed Fluid Volume | Displacement | Slurry Volume | Pad Volume | Percent Pad |
|---|---|---|---|---|---|---|
| 80 % | 0 % | 100000 gal | 68 bbl | 550 bbl | 0 gal | 0 % |

| Customer or Authorized Representative | Dowell Supervisor | Number of Stages | Fracture Gradient | |
|---|---|---|---|---|
| Richard Lewis | David Brawley | 1 | 0 psi/ft | ☑ Job Completed ☐ Screen Out |