

OCT 24 2001

CONSERVATION DIVISION
WICHITA, KS

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

COPY

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: Evelyn Boute
Phone: (713) 431-1446
Contractor: Name: DOWELL
License: N. A.
Wellsite Geologist: N. A.

Designate Type of Completion:
 New Well Re-Entry Workover (Refrac)
 Oil SWD SLOW 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: Chaffin #1 Ut., Well #4
Original Comp. Date: 11/19/94 Original Total Depth: 3,010
 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. _____

~~XXX~~ FRACTURE STIMULATED
6/22/01 6/28/01
Spud Date of **START** Date Reached TD Completion Date of
OF WORKOVER **WORKOVER**

API No. 15 - 189-21799 - 0001
County: Stevens
NE NE SW NW Sec. 21 Twp. 32 S. R. 36 East West
1,390 feet from S N (circle one) Line of Section
1,250 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Chaffin #1 Ut. Well #: 4
Field Name: Hugoton

Producing Formation: Chase
Elevation: Ground: 3,073 Kelly Bushing: 3,084
Total Depth: 3,010 Plug Back Total Depth: 2,950
Amount of Surface Pipe Set and Cemented at 577 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 cnt.

Drilling Fluid Management Plan REWORK 9/26 11/14/01
(Data must be collected from the Reserve Pit)
Chloride content N. A. ppm Fluid volume N. A. bbls
Dewatering method used _____

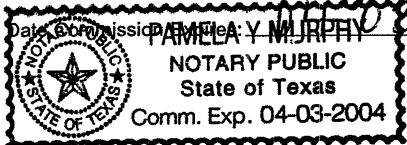
Location of fluid disposal if hauled offsite:
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

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: Evelyn Boute
Title: Staff Admin. Asst. Date: 10/23/01
Subscribed and sworn to before me this 23rd day of October

6/20/01
Notary Public: Pamela Y. Murphy



ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

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

Operator Name: Exxon Mobil Oil Corporation * Lease Name: Chaffin #1 Ut. Well #: 4
 Sec. 21 Twp. 32 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Submit Copy) List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Glorietta</td> <td>1,281</td> <td></td> </tr> <tr> <td>Stone Corral</td> <td>1,750</td> <td></td> </tr> <tr> <td>Chase</td> <td>2,616</td> <td></td> </tr> <tr> <td>Council Grove</td> <td>2,948</td> <td></td> </tr> </table> | Name | Top | Datum | Glorietta | 1,281 | | Stone Corral | 1,750 | | Chase | 2,616 | | Council Grove | 2,948 | |
| Name | Top | Datum | | | | | | | | | | | | | | |
| Glorietta | 1,281 | | | | | | | | | | | | | | | |
| Stone Corral | 1,750 | | | | | | | | | | | | | | | |
| Chase | 2,616 | | | | | | | | | | | | | | | |
| Council Grove | 2,948 | | | | | | | | | | | | | | | |

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| Surface | 12.250 | 8.625 | 24 | 577 | CI C | 290 | 50:50 C/POZ |
| Production | 7.875 | 5.500 | 14 | 3,000 | CI C | 375 | 3%D79, 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 |
|----------------|---|---|-------|
| 1 spf | 2,620 - 2,810 | Frac w/ 80Q N2 foam @ 77 BPM | |
| | | | |
| | | | |
| | | | |

| | | | | | |
|--|-----------|---|-------------|---------------|---|
| TUBING RECORD | | Size | Set At | Packer At | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Date of First, Resumed Production, SWD or Enhr. (See G-2) | | Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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 |
| <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Sumit ACO-18.) | <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____ | 2,620 - 2,810 |

OCT 24 2001

COPY

| | | |
|----------------------|-----------------------|-------------------------------|
| Schlumberger | CONSERVATION DIVISION | Customer: Exxon Mobil |
| | WICHITA, KS | District: ULYSSES |
| Job Date: 06-26-2001 | | Representative: Richard Leibs |
| | | DS Supervisor: Dave Brawley |
| | | Well: Chaffin 1-4 |

| AcqTime mm:dd:yyyy:hh:mm:ss | TR PRESS psi | CFLD RATE bbl/min | TOT CFLD bbl | N2 PUMP RATE bbl/min | TOT N2 Mscf | N2 RATE scf/min | TOT INJ bbl | INJ RATE bbl/min |
|--------------------------------|----------------------------|----------------------|-----------------|-------------------------|----------------|--------------------|----------------|---------------------|
| 06:26:2001:12:12:54 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:14:14 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:14:34 | 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:14:54 | 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:15:14 | 2765 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:15:34 | 2586 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:15:54 | 2568 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:16:14 | 2559 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:16:34 | 2554 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:16:51 | Pressure Test Lines | | | | | | | |
| 06:26:2001:12:16:51 | 2550 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:17:14 | 2545 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:17:34 | 2541 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:17:54 | 2536 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:18:14 | 2531 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 0.0 | 0.0 |
| 06:26:2001:12:18:34 | 2531 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:18:54 | 2527 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:19:34 | 2522 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:19:54 | 2518 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:20:34 | 2513 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:20:54 | 2509 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:21:34 | 2504 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:22:14 | 2499 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:23:34 | 2495 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:24:34 | 2490 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 0.0 | 0.0 |
| 06:26:2001:12:24:54 | 2490 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:25:14 | 2486 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:25:34 | 2481 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:26:14 | 2477 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:26:54 | 2472 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:27:34 | 2467 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:28:14 | 2463 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:28:54 | 2458 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:29:14 | 2454 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:29:54 | 2449 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:30:34 | 2444 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:31:14 | 2440 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:32:14 | 2435 | 0.0 | 0.0 | 0.0 | 0.0 | 2041 | 0.0 | 0.0 |
| 06:26:2001:12:32:34 | 2431 | 0.0 | 0.0 | 0.0 | 0.0 | 1971 | 0.0 | 0.0 |
| 06:26:2001:12:32:54 | 2477 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:33:14 | 2495 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:33:34 | 2527 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:33:54 | 2559 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:34:14 | 2591 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:34:34 | 2618 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:34:54 | 2650 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:35:14 | 2637 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:35:34 | 2376 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:35:54 | 128 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:36:14 | 151 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:36:34 | 156 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:36:54 | 165 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:37:14 | 174 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:37:34 | 179 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:37:54 | 188 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:38:14 | 192 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:38:34 | 201 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:38:54 | 206 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:39:14 | 215 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:42:28 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:42:48 | 275 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| 06:26:2001:12:43:08 | Started PAD | | | | | | | |
| 06:26:2001:12:43:08 | 5 | 2.6 | 0.0 | 0.0 | 0.0 | 2691 | 0.0 | 2.6 |
| 06:26:2001:12:43:28 | 60 | 2.5 | 0.8 | 1.5 | 0.2 | 620 | 1.2 | 4.0 |
| 06:26:2001:12:43:48 | 64 | 7.8 | 2.7 | 19.3 | 0.9 | 11026 | 4.3 | 27.0 |
| 06:26:2001:12:44:08 | 183 | 7.8 | 5.3 | 28.6 | 5.0 | 12186 | 16.5 | 36.4 |
| 06:26:2001:12:44:28 | 316 | 7.8 | 7.9 | 27.3 | 8.9 | 11566 | 28.4 | 35.1 |
| 06:26:2001:12:44:48 | 439 | 7.8 | 10.5 | 28.2 | 12.8 | 12066 | 40.2 | 36.0 |
| 06:26:2001:12:45:08 | 531 | 7.8 | 13.1 | 30.2 | 17.0 | 12787 | 52.7 | 38.0 |
| 06:26:2001:12:45:26 | Stage at Perfs: PAD | | | | | | | |
| 06:26:2001:12:45:26 | 604 | 7.8 | 15.4 | 30.1 | 20.8 | 12757 | 64.0 | 37.9 |

OCT 24 2001

COPY

CONSERVATION DIVISION
WICHITA, KS

Job Date: 06-26-2001

Well: Chaffin 1-4

| AcqTime mm:dd:yyyy:hh:mm:ss | TR PRESS psi | CFLD RATE bbl/min | TOT CFLD bbl | N2 PUMP RATE bbl/min | TOT N2 Mscf | N2 RATE scf/min | TOT INJ bbl | INJ RATE bbl/min |
|--------------------------------|-----------------|----------------------|-----------------|-------------------------|----------------|--------------------|----------------|---------------------|
| 06:26:2001:12:46:08 | 1035 | 15.8 | 22.5 | 58.6 | 32.3 | 25003 | 97.7 | 74.5 |
| 06:26:2001:12:46:28 | 1364 | 16.1 | 27.9 | 64.0 | 41.1 | 27154 | 123.7 | 80.0 |
| 06:26:2001:12:46:48 | 1634 | 16.1 | 33.2 | 65.1 | 50.3 | 27614 | 150.7 | 81.2 |
| 06:26:2001:12:47:08 | 1808 | 16.0 | 38.5 | 64.6 | 59.4 | 27214 | 177.5 | 80.5 |
| 06:26:2001:12:47:28 | 1854 | 15.9 | 43.8 | 64.2 | 68.3 | 27174 | 203.7 | 80.0 |
| 06:26:2001:12:47:48 | 1826 | 16.1 | 49.2 | 62.0 | 77.1 | 26334 | 229.9 | 78.1 |
| 06:26:2001:12:48:08 | 1781 | 16.1 | 54.6 | 63.0 | 85.9 | 26824 | 256.1 | 79.1 |
| 06:26:2001:12:48:28 | 1767 | 16.2 | 60.0 | 63.7 | 94.9 | 27024 | 282.6 | 79.9 |
| 06:26:2001:12:48:48 | 1744 | 16.2 | 65.4 | 61.0 | 103.7 | 26033 | 309.0 | 77.2 |
| 06:26:2001:12:49:08 | 1744 | 16.2 | 70.7 | 64.5 | 112.7 | 27364 | 335.5 | 80.7 |
| 06:26:2001:12:49:28 | 1726 | 16.1 | 76.1 | 64.3 | 121.8 | 27264 | 362.3 | 80.3 |
| 06:26:2001:12:49:48 | 1703 | 16.1 | 81.4 | 64.2 | 130.9 | 27184 | 389.1 | 80.2 |
| 06:26:2001:12:50:08 | 1721 | 16.0 | 86.8 | 64.1 | 140.0 | 27214 | 415.8 | 80.1 |
| 06:26:2001:12:50:28 | 1753 | 16.1 | 92.1 | 64.0 | 149.0 | 27164 | 442.5 | 80.1 |
| 06:26:2001:12:50:48 | 1772 | 16.1 | 97.5 | 64.0 | 158.1 | 27174 | 469.2 | 80.1 |
| 06:26:2001:12:51:08 | 1776 | 16.1 | 102.8 | 64.2 | 167.1 | 27194 | 495.9 | 80.2 |
| 06:26:2001:12:51:28 | 1781 | 16.1 | 108.2 | 64.3 | 176.2 | 27264 | 522.7 | 80.3 |
| 06:26:2001:12:51:48 | 1575 | 0.0 | 112.6 | 43.1 | 184.6 | 14978 | 547.4 | 43.1 |
| 06:26:2001:12:58:33 | 961 | 3.7 | 113.1 | 0.1 | 185.1 | 50 | 549.5 | 3.7 |
| 06:26:2001:12:58:53 | 934 | 7.2 | 114.9 | 8.9 | 185.7 | 3782 | 552.6 | 16.1 |
| 06:26:2001:12:59:13 | 952 | 7.8 | 117.4 | 26.5 | 188.3 | 11216 | 561.0 | 34.3 |
| 06:26:2001:12:59:33 | 1025 | 7.8 | 120.0 | 29.3 | 192.3 | 12386 | 572.9 | 37.1 |
| 06:26:2001:12:59:53 | 1099 | 7.8 | 122.6 | 28.7 | 196.3 | 12156 | 585.1 | 36.5 |
| 06:26:2001:13:00:13 | 1204 | 9.2 | 125.2 | 28.7 | 200.4 | 12196 | 597.3 | 38.0 |
| 06:26:2001:13:00:33 | 1332 | 12.0 | 129.0 | 30.7 | 205.3 | 13297 | 612.6 | 42.8 |
| 06:26:2001:13:00:53 | 1451 | 12.1 | 133.0 | 46.6 | 210.4 | 20170 | 628.4 | 58.7 |
| 06:26:2001:13:01:13 | 1538 | 12.2 | 137.1 | 49.6 | 217.4 | 21051 | 648.9 | 61.7 |
| 06:26:2001:13:01:33 | 1598 | 12.0 | 141.1 | 49.5 | 224.4 | 20981 | 669.4 | 61.5 |
| 06:26:2001:13:01:53 | 1620 | 12.0 | 145.1 | 49.5 | 231.4 | 20981 | 689.9 | 61.5 |
| 06:26:2001:13:02:13 | 1616 | 12.0 | 149.1 | 46.1 | 238.1 | 19530 | 709.7 | 58.0 |
| 06:26:2001:13:02:33 | 1616 | 8.8 | 153.0 | 48.1 | 244.7 | 20411 | 729.3 | 56.8 |
| 06:26:2001:13:02:53 | 1675 | 13.2 | 156.7 | 43.0 | 251.9 | 18620 | 750.1 | 56.2 |
| 06:26:2001:13:03:13 | 1785 | 15.8 | 161.8 | 64.1 | 260.8 | 27124 | 775.7 | 79.9 |
| 06:26:2001:13:03:33 | 1799 | 16.1 | 167.1 | 64.3 | 269.9 | 27244 | 802.4 | 80.3 |
| 06:26:2001:13:03:53 | 1804 | 16.0 | 172.4 | 64.2 | 279.0 | 27254 | 829.2 | 80.2 |
| 06:26:2001:13:04:13 | 1799 | 16.1 | 177.8 | 64.3 | 288.0 | 27284 | 855.9 | 80.4 |
| 06:26:2001:13:04:33 | 1799 | 16.1 | 183.1 | 64.3 | 297.1 | 27274 | 882.7 | 80.4 |
| 06:26:2001:13:04:53 | 1799 | 16.0 | 188.4 | 64.1 | 306.2 | 27204 | 909.5 | 80.1 |
| 06:26:2001:13:05:13 | 1799 | 16.1 | 193.8 | 64.1 | 315.3 | 27214 | 936.2 | 80.1 |
| 06:26:2001:13:05:33 | 1794 | 16.1 | 199.1 | 64.2 | 324.3 | 27214 | 962.9 | 80.2 |
| 06:26:2001:13:05:53 | 1781 | 16.1 | 204.5 | 64.2 | 333.4 | 27234 | 989.7 | 80.3 |
| 06:26:2001:13:06:13 | 1776 | 16.1 | 209.8 | 64.3 | 342.5 | 27264 | 1016.4 | 80.3 |
| 06:26:2001:13:06:33 | 1767 | 16.0 | 215.2 | 64.3 | 351.6 | 27274 | 1043.2 | 80.3 |
| 06:26:2001:13:06:53 | 1758 | 16.1 | 220.5 | 64.3 | 360.7 | 27284 | 1070.0 | 80.4 |
| 06:26:2001:13:07:13 | 1758 | 16.0 | 225.9 | 64.3 | 369.8 | 27294 | 1096.8 | 80.4 |
| 06:26:2001:13:07:33 | 1460 | 0.1 | 230.6 | 4.4 | 377.1 | 1831 | 1119.8 | 4.6 |
| 06:26:2001:13:07:53 | 1016 | 0.0 | 230.7 | 0.0 | 377.1 | 0 | 1120.0 | 0.0 |
| 06:26:2001:13:14:16 | 1016 | 1.4 | 230.7 | 14.4 | 377.3 | 4532 | 1120.2 | 15.8 |
| 06:26:2001:13:14:36 | 1218 | 5.4 | 231.5 | 49.6 | 382.8 | 21031 | 1133.3 | 55.0 |
| 06:26:2001:13:14:56 | 1360 | 9.5 | 234.2 | 60.3 | 390.5 | 25683 | 1154.1 | 69.8 |
| 06:26:2001:13:15:16 | 1437 | 12.2 | 237.8 | 60.7 | 399.1 | 25743 | 1178.0 | 72.9 |
| 06:26:2001:13:15:36 | 1492 | 14.8 | 242.2 | 62.4 | 407.8 | 26554 | 1202.8 | 77.2 |
| 06:26:2001:13:15:56 | 1460 | 15.5 | 247.3 | 62.8 | 416.7 | 26624 | 1228.9 | 78.3 |
| 06:26:2001:13:16:16 | 1575 | 15.8 | 252.5 | 62.7 | 425.5 | 26604 | 1255.0 | 78.5 |
| 06:26:2001:13:16:36 | 1616 | 15.4 | 257.7 | 62.7 | 434.4 | 26584 | 1281.1 | 78.1 |
| 06:26:2001:13:16:56 | 1653 | 15.5 | 262.9 | 62.7 | 443.3 | 26644 | 1307.2 | 78.2 |
| 06:26:2001:13:17:16 | 1694 | 15.5 | 268.0 | 62.8 | 452.1 | 26654 | 1333.3 | 78.3 |
| 06:26:2001:13:17:36 | 1707 | 15.5 | 273.2 | 62.8 | 461.0 | 26664 | 1359.4 | 78.3 |
| 06:26:2001:13:17:56 | 1730 | 15.5 | 278.4 | 62.9 | 469.9 | 26654 | 1385.5 | 78.4 |
| 06:26:2001:13:18:16 | 1744 | 15.5 | 283.5 | 63.8 | 478.9 | 27054 | 1411.8 | 79.4 |
| 06:26:2001:13:18:36 | 1735 | 15.5 | 288.7 | 64.1 | 487.9 | 27174 | 1438.3 | 79.6 |
| 06:26:2001:13:18:56 | 1758 | 15.5 | 293.9 | 64.1 | 497.0 | 27194 | 1464.8 | 79.7 |
| 06:26:2001:13:19:16 | 1767 | 15.5 | 299.1 | 64.2 | 506.0 | 27234 | 1491.4 | 79.7 |
| 06:26:2001:13:19:36 | 1762 | 15.5 | 304.2 | 63.9 | 515.1 | 27084 | 1517.9 | 79.4 |
| 06:26:2001:13:19:56 | 1767 | 15.5 | 309.4 | 64.3 | 524.2 | 27234 | 1544.5 | 79.8 |
| 06:26:2001:13:20:16 | 1762 | 15.5 | 314.6 | 64.1 | 533.2 | 27154 | 1571.0 | 79.6 |
| 06:26:2001:13:20:36 | 1762 | 15.5 | 319.7 | 64.2 | 542.3 | 27264 | 1597.6 | 79.8 |
| 06:26:2001:13:20:56 | 1758 | 15.5 | 324.9 | 64.3 | 551.4 | 27264 | 1624.2 | 79.8 |
| 06:26:2001:13:21:16 | 1753 | 15.5 | 330.1 | 64.1 | 560.5 | 27204 | 1650.7 | 79.7 |
| 06:26:2001:13:21:36 | 1753 | 15.5 | 335.2 | 64.3 | 569.5 | 27254 | 1677.3 | 79.8 |
| 06:26:2001:13:21:56 | 1753 | 15.5 | 340.4 | 64.4 | 578.6 | 27274 | 1703.9 | 79.9 |
| 06:26:2001:13:22:16 | 1753 | 15.5 | 345.6 | 64.3 | 587.7 | 27274 | 1730.5 | 79.8 |
| 06:26:2001:13:22:36 | 1749 | 15.5 | 350.8 | 64.3 | 596.8 | 27244 | 1757.1 | 79.7 |
| 06:26:2001:13:22:56 | 1749 | 15.5 | 355.9 | 64.3 | 605.9 | 27274 | 1783.7 | 79.7 |
| 06:26:2001:13:23:16 | 1740 | 15.5 | 361.1 | 62.5 | 614.8 | 26484 | 1810.0 | 78.0 |
| 06:26:2001:13:23:36 | 1730 | 15.5 | 366.3 | 62.1 | 623.6 | 26344 | 1835.9 | 77.6 |
| 06:26:2001:13:23:56 | 1726 | 15.5 | 371.4 | 62.1 | 632.4 | 26324 | 1861.8 | 77.6 |
| 06:26:2001:13:24:16 | 1726 | 15.5 | 376.6 | 62.2 | 641.2 | 26344 | 1887.7 | 77.7 |

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Job Date: 06-26-2001

Well: Chaffin 1-4

| AcqTime mm:dd:yyyy:hh:mm:ss | TR PRESS psi | CFLD RATE bbl/min | TOT CFLD bbl | N2 PUMP RATE bbl/min | TOT N2 Mscf | N2 RATE scf/min | TOT INJ bbl | INJ RATE bbl/min |
|--------------------------------|-------------------------------|----------------------|-----------------|-------------------------|----------------|--------------------|----------------|---------------------|
| 06:26:2001:13:24:36 | 1721 | 15.5 | 381.8 | 62.2 | 650.0 | 26384 | 1913.6 | 77.7 |
| 06:26:2001:13:24:56 | 1721 | 15.5 | 387.0 | 62.3 | 658.7 | 26414 | 1939.5 | 77.8 |
| 06:26:2001:13:25:16 | 1712 | 15.5 | 392.1 | 62.1 | 667.5 | 26344 | 1965.4 | 77.6 |
| 06:26:2001:13:25:36 | 1703 | 15.5 | 397.3 | 62.1 | 676.3 | 26334 | 1991.2 | 77.6 |
| 06:26:2001:13:25:56 | 1712 | 15.5 | 402.5 | 62.1 | 685.1 | 26324 | 2017.1 | 77.6 |
| 06:26:2001:13:26:16 | 1707 | 15.5 | 407.6 | 62.1 | 693.9 | 26334 | 2043.0 | 77.6 |
| 06:26:2001:13:26:36 | 1707 | 15.5 | 412.8 | 62.1 | 702.6 | 26344 | 2068.8 | 77.6 |
| 06:26:2001:13:26:56 | 1703 | 15.5 | 418.0 | 62.2 | 711.4 | 26364 | 2094.7 | 77.6 |
| 06:26:2001:13:27:16 | 1703 | 15.5 | 423.1 | 62.2 | 720.2 | 26394 | 2120.6 | 77.8 |
| 06:26:2001:13:27:36 | 1703 | 15.5 | 428.3 | 62.3 | 729.0 | 26414 | 2146.6 | 77.8 |
| 06:26:2001:13:27:56 | 1703 | 15.5 | 433.5 | 62.3 | 737.8 | 26434 | 2172.5 | 77.8 |
| 06:26:2001:13:28:16 | 1703 | 15.5 | 438.7 | 62.3 | 746.6 | 26364 | 2198.5 | 77.8 |
| 06:26:2001:13:28:36 | 1698 | 15.5 | 443.8 | 62.1 | 755.4 | 26324 | 2224.4 | 77.6 |
| 06:26:2001:13:28:56 | 1694 | 15.5 | 449.0 | 62.1 | 764.2 | 26324 | 2250.2 | 77.6 |
| 06:26:2001:13:29:16 | 1694 | 15.5 | 454.2 | 62.2 | 773.0 | 26334 | 2276.1 | 77.6 |
| 06:26:2001:13:29:36 | 1698 | 15.5 | 459.3 | 62.1 | 781.8 | 26344 | 2302.0 | 77.7 |
| 06:26:2001:13:29:56 | 1698 | 15.5 | 464.5 | 62.1 | 790.5 | 26344 | 2327.9 | 77.6 |
| 06:26:2001:13:30:16 | 1703 | 15.5 | 469.7 | 62.2 | 799.3 | 26344 | 2353.8 | 77.7 |
| 06:26:2001:13:30:36 | 1703 | 15.5 | 474.8 | 62.2 | 808.1 | 26354 | 2379.7 | 77.7 |
| 06:26:2001:13:30:56 | 1703 | 15.5 | 480.0 | 62.3 | 816.9 | 26364 | 2405.5 | 77.8 |
| 06:26:2001:13:31:16 | 1698 | 15.5 | 485.2 | 62.2 | 825.7 | 26374 | 2431.4 | 77.6 |
| 06:26:2001:13:31:36 | 1703 | 15.5 | 490.4 | 62.1 | 834.5 | 26344 | 2457.3 | 77.6 |
| 06:26:2001:13:31:56 | 1703 | 15.5 | 495.5 | 62.1 | 843.3 | 26334 | 2483.2 | 77.6 |
| 06:26:2001:13:32:16 | 1694 | 15.5 | 500.7 | 62.1 | 852.0 | 26324 | 2509.1 | 77.6 |
| 06:26:2001:13:32:36 | 1703 | 15.5 | 505.9 | 62.1 | 860.8 | 26304 | 2534.9 | 77.6 |
| 06:26:2001:13:32:56 | 1698 | 15.5 | 511.0 | 62.1 | 869.6 | 26344 | 2560.8 | 77.6 |
| 06:26:2001:13:33:16 | 1698 | 15.5 | 516.2 | 62.1 | 878.4 | 26334 | 2586.7 | 77.6 |
| 06:26:2001:13:33:36 | 1620 | 0.0 | 520.7 | 62.1 | 887.1 | 26344 | 2611.8 | 62.1 |
| 06:26:2001:13:33:37 | Started Flush Manually | | | | | | | |
| 06:26:2001:13:33:37 | 1611 | 0.0 | 520.7 | 62.1 | 887.6 | 26344 | 2612.9 | 62.1 |
| 06:26:2001:13:33:56 | 1575 | 0.0 | 520.7 | 62.2 | 895.9 | 26404 | 2632.6 | 62.2 |
| 06:26:2001:13:34:16 | 1575 | 0.0 | 520.7 | 62.3 | 904.7 | 26404 | 2653.3 | 62.3 |
| 06:26:2001:13:34:36 | 1584 | 0.0 | 520.7 | 62.3 | 913.5 | 26414 | 2674.1 | 62.3 |
| 06:26:2001:13:34:40 | Stage at Perfs: Flush | | | | | | | |
| 06:26:2001:13:34:40 | 1584 | 0.0 | 520.7 | 62.3 | 915.3 | 26404 | 2678.3 | 62.3 |
| 06:26:2001:13:34:56 | 1428 | 0.0 | 520.7 | 3.4 | 918.3 | 1461 | 2686.2 | 3.4 |

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