



# CEMENT JOB REPORT

|                                     |  |                                            |                  |                                        |                |                            |                  |
|-------------------------------------|--|--------------------------------------------|------------------|----------------------------------------|----------------|----------------------------|------------------|
| CUSTOMER V F Petroleum, Inc.        |  | DATE 11-JAN-02                             | F.R. # 272110469 | SERV. SUPV. Corey Rogers               |                |                            |                  |
| LEASE & WELL NAME<br>BROTHERHOOD #1 |  | LOCATION<br>SEC18-T19S-R26E                |                  | COUNTY-PARISH-BLOCK<br>Eddy New Mexico |                |                            |                  |
| DISTRICT<br>Artesia                 |  | DRILLING CONTRACTOR RIG #<br>PATT/UTI #510 |                  | TYPE OF JOB<br>Long String             |                |                            |                  |
| SIZE & TYPE OF PLUGS                |  | LIST-CSG-HARDWARE                          |                  | PHYSICAL SLURRY PROPERTIES             |                |                            |                  |
| Cement Plug, Rubber, Top 5-1/2 in   |  | Float Shoe 5-1/2 - 8rd                     |                  | SACKS OF CEMENT                        | SLURRY WGT PPG | SLURRY YLD FT <sup>3</sup> | WATER GPS        |
|                                     |  | Float Collar, Al Flap, 5-1/2 - 8rd         |                  |                                        |                |                            | PUMP TIME HR:MIN |
| MATERIALS FURNISHED BY BJ           |  |                                            |                  |                                        |                |                            | Bbl SLURRY       |
| H+1%BA-56+3%CD-32+2%EC-1+5%SALT     |  |                                            |                  | 500                                    | 15.6           | 1.24                       | 65.11            |
| 500 GAL. MUD CLEAN II               |  |                                            |                  | 0                                      | 8.34           | 1                          | 13.38            |
| FW                                  |  |                                            |                  | 0                                      | 8.34           | 1                          | 0                |
| Available Mix Water 500 Bbl.        |  |                                            |                  | Available Displ. Fluid 400 Bbl.        |                | TOTAL                      | 122 78.49        |

| HOLE  |          |       | TBG-CSG-D.P. |      |      |       | COLLAR DEPTHS |      |       |
|-------|----------|-------|--------------|------|------|-------|---------------|------|-------|
| SIZE  | % EXCESS | DEPTH | SIZE         | WGT. | TYPE | DEPTH | GRADE         | SHOE | FLOAT |
| 7.875 | 0        | 9710  | 5.5          | 17   | CSG  | 9728  | J-55          | 9728 | 9685  |
|       |          |       |              |      |      |       |               |      | 0     |

| LAST CASING |     |      |       | PKR-CMT RET-BR PL-LINER |  | PERF. DEPTH |     | TOP CONN |      | WELL FLUID      |      |
|-------------|-----|------|-------|-------------------------|--|-------------|-----|----------|------|-----------------|------|
| SIZE        | WGT | TYPE | DEPTH | BRAND & TYPE            |  | DEPTH       | TOP | BTM      | SIZE | THREAD          | WGT. |
| 8.625       | 32  | CSG  | 1250  | NO PACKER               |  | 0           | 0   | 0        | 5.5  | 8 RD            | 9.5  |
|             |     |      |       |                         |  |             |     |          |      | WATER BASED MUD |      |

| DISPL. VOLUME |      | DISPL. FLUID |      | CAL. PSI  | CAL. MAX PSI | OP. MAX | MAX TBG PSI |          | MAX CSG PSI |          | MIX WATER SOURCE |
|---------------|------|--------------|------|-----------|--------------|---------|-------------|----------|-------------|----------|------------------|
| VOLUME        | UOM  | TYPE         | WGT. | BUMP PLUG | TO REV.      | SQ. PSI | RATED       | Operator | RATED       | Operator |                  |
| 225           | BBLS | FW           | 8.34 | 1690      | 0            | 0       | 0           | 0        | 5320        | 3000     | RIG              |

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE

| PRESSURE/RATE DETAIL |                |         |          |                   |            | EXPLANATION                                                                                       |  |
|----------------------|----------------|---------|----------|-------------------|------------|---------------------------------------------------------------------------------------------------|--|
| TIME HR:MIN.         | PRESSURE - PSI |         | RATE BPM | Bbl. FLUID PUMPED | FLUID TYPE | SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input type="checkbox"/>     |  |
|                      | PIPE           | ANNULUS |          |                   |            | TEST LINES 4000 PSI                                                                               |  |
|                      |                |         |          |                   |            | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input checked="" type="checkbox"/> |  |
| 08:39                | 220            | 0       | 4        | 12 MC             |            | MUD CLEAN AHEAD                                                                                   |  |
| 08:42                | 255            | 0       | 4        | 110 15.6          |            | CEMENT SLURRY                                                                                     |  |
| 09:09                | 0              | 0       | 0        | 00                |            | DROP PLUG-WASH PUMPS&LINES                                                                        |  |
| 09:12                | 1750           | 0       | 7        | 215 FW            |            | FRESH WATER DISPLACEMENT(320 PSI-1750 PSI)                                                        |  |
| 09:42                | 1780           | 0       | 3        | 10 FW             |            | DECREASE DISPLACEMENT RATE                                                                        |  |
| 09:45                | 1780           | 0       | 0        | 00                |            | SHUT DOWN-DID NOT BUMP                                                                            |  |
| 09:46                | 0              | 0       | 0        | 00                |            | CHECK FLOAT-FLOAT HELD                                                                            |  |
| 00:00                | 0              | 0       | 0        | 00                |            | EST. TOC @ 7400 FEET                                                                              |  |
| 00:00                | 0              | 0       | 0        | 00                |            | THANKS CORY & CREW!                                                                               |  |

|                                       |                  |                                                                  |                           |                   |                 |                                                                  |                                |
|---------------------------------------|------------------|------------------------------------------------------------------|---------------------------|-------------------|-----------------|------------------------------------------------------------------|--------------------------------|
| BUMPED PLUG                           | PSI TO BUMP PLUG | TEST FLOAT EQUIP.                                                | BBL.CMT RETURNS/ REVERSED | TOTAL BBL. PUMPED | PSI LEFT ON CSG | SPOT TOP OUT CEMENT                                              | SERV. SUPV. <i>Cory Rogers</i> |
| <input checked="" type="checkbox"/> N | 1780             | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 0                         | 347               | 0               | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |                                |