| The section of Well Location Township Range County of Well Location Unit Section Township Range County of Well Location Drig Contractor Peterson Drig Contractor Reday  ***Mittees**  **APPROVED CASING PROGRAM  Size of Hole Size of Casing Weight Per New or Used Depth Socks Coment Foot 17/2 + 12/4 * 85/8 34 34 1350 1700 Circ 7/8 11/60 # 9700  Casing Data:  Surface joints of inch # Grade (Approved) (Rejected)  Inspected by date  Cementing Program Size of Casing 81/8 Sacks coment required 765 ***  Type of Shoe used Float collar used Rtm 3 jts welded 1/2 *** | Operator              | ) <b>\( \gamma/</b> | ) 0 0                                   | Lease       | 0                   |             | <del></del>  | Well #      | · · · · · · · · · · · · · · · · · · · |
|--|-----------------------|---------------------|---|-------------|---------------------|-------------|--|-------------|---------------------------------------|
| Drilling Contractor  Paterson Dala Co.  Type of Equipment Ratay  **Witness**  APPROVED CASING PROGRAM  Size of Hole Size of Casing Weight Per New or Used Depth Sacks Cement Foot 77% 48 4 1/2 11.60 # 1350 1700 Circ  77% 49/2 11.60 # 9700  Casing Data:  Surface joints of inch # Grade  (Approved) (Rejected)  Inspected by date  Cementing Program  Size of hole 124 Size of Casing 84% Sacks cement required 865 **  Type of Shoe used Float coliar used 8tm 3 jts wolded 1/cs  Type of Shoe used Float coliar used 8tm 3 jts wolded 1/cs  New Assed csg. 1350 Set 1350 Feet of 25% Inch 24 # Grade 2.55  New Assed csg. 1350 with 125 sacks nest coment around shoe 1/540 sax Thiset additives 10 glavite 1/2 Flore 2.2001. Physic.  Plug down 5 1/2 (AM) (PM) Date 1/2/10  Cement circulated 1/0 No. of Sacks  Cemented by 1/6   1/2   1 | 1 ear                 | lung !              | rod Co                                  | 1 7         | four                | 6 <u>L</u>  |  |             | 1                                     |
| Drilling Contractor  Patricon Dalg Ca.  Type of Equipment Ratary  **Witness  APPROVED CASING PROGRAM  Size of Hole Size of Casing Weight Per New or Used Depth Sacks Coment Foot 17/2+12/4 * 85/8  | rocarion              | Unit                | Section                                 |             | Lownsh              | ip          |  | County      |                                       |
| APPROVED CASING PROGRAM  Size of Hole   Size of Casing   Weight Per   New or Used   Depth   Sacks Cement   Foot    |                       | Peter               |   | Co          |                     | ol E.       |  |             | aug-                                  |
| Foot  171/2 + 121/4  | *Witness              |                     | ·                                       | •           |                     |             | J  |             |                                       |
| 1350   1700 Circ   17/2 + 12/4   |                       | 1                   | of Casing                               |             |                     | New         | or Used  | Depth       | Sacks Cement                          |
| Casing Data:  Surface joints of inch "Grade (Approved) (Rejected)  Inspected by Gate  Cementing Program  Size of hole 12/4 Size of Casing 8/8 Sacks coment required 865 (Approved)  Type of Shoe used Float collar used Btm 3 jts welded Yes  Type of Shoe used Float collar used Btm 3 jts welded Yes  TD of hole 1350 Set 1350 Feet of 8/8 Inch 24 Grade 255  New used csg. 9 1350 with 125 sacks neat coment around shoe  + 540 sax Thiset additives 10 gloon to he Flore 2001. Flore Cement circulated No. of Sacks  Cemented by Hollar 12/109  Cemented by Hollar 12/109  Cemented by Hollar 12/109  Casing test 9 (AM) (PM) Date 1/12/50 top cement 9/30' 1. Comented Used Witnessed by Checked for shut off 9 (AM) (PM) Date  Witnessed by Checked for shut off 9 (AM) (PM) Date  | * 350°<br>17/2 + 12/4 | <b>*</b> 8 5        | 5/8                                     | ľ           |                     |             | ***************************************  | 1350        | 1700 Circ                             |
| Casing Data:  Surface joints of inch # Grade  (Approved) (Rejected)  Inspected by date  Cementing Program  Size of hole 124 Size of Casing 84 Sacks cement required 65 of the contract of the  | 7 7/8                 |                     |   |             |                     |             |  |             | 1 7 5 5 6 7 6                         |
| Surface joints of inch # Grade  (Approved) (Rejected)  Inspected by date  Cementing Program  Size of hole 124 Size of Casing 848 Sacks coment required 765 at Type of Shoe used Float collar used Btm 3 jts welded 405  Type of Shoe used Float collar used Btm 3 jts welded 405  TD of hole 1350 Set 1350 Feet of 858 Inch 24 # Grade 5.5  New used csg. © 1350 with 125 sacks near coment around shoe + 540 sax Thiset additives 10 glsoute 4 Flores 2001 PD 496 Cement circulated 40 No. of Sacks  Cemented by Holl to 100 No. of Sacks  Cemented by Holl to 100 No. of Sacks  Temp. Survey ran @ 1/20 (AM) (PM) Date 1/18/50 top cement 630 1.00 Casing test @ (AM) (PM) Date  Method Used Witnessed by Checked for shut off @ (AM) (PM) Date  |                       |                     | *************************************** |             |                     | <del></del> |  |             |                                       |
| (Approved) (Rejected)  Inspected by  Gate  Cementing Program  Size of hole 124 Size of Casing 848 Sacks cement required 165 section of hole 124 Size of Casing 848 Sacks cement required 165 section of Shoe used Float collar used Btm 3 jts welded 165 section of hole 1350 Set 1350 Feet of 1858 Inch 24 section of Grade 255 New used csg. 1350 with 185 sacks near cement around shoe 1540 sax Thiset additives 105 sacks near cement around shoe 1540 sax Thiset additives 105 sacks 1850 sacks near cement around shoe 16540 sax Thiset additives 105 sacks 1850 sacks near cement around shoe 16540 sax Thiset additives 105 sacks  Cement circulated No No. of Sacks  Cemented by 165 sacks (AM) (PM) Date 155 sacks 155 sacks 155 sacks near cement 1650 sacks  Cemented by 165 sacks 165 sack | Casing Data:          | <del></del>         | <del></del>                             | <u> </u>    |                     |             |  | <del></del> |                                       |
| Cementing Program  Size of hole 124 Size of Casing 848 Sacks coment required 765 size  Type of Shoe used Float collar used Btm 3 jts welded 165 TD of hole 1350 Set 1350 Feet of 85% Inch 24 Grade 2.55  New used csg. @ 1350 with 125 sacks neat coment around shoe + 540 sax Three + additives 10 Growle 12 Flores + 200 in Flore 12 Plug down @ 5-15 (AD) (PM) Date 1/18/90  Cement circulated No No. of Sacks  Cemented by Hole 150 (AM) (PM) Date 1/18/90 top cement @ 130' 1. Casing test @ (AM) (FM) Date  Method Used Witnessed by Checked for shut off @ (AM) (PM) Date  Witnessed by Checked for shut off @ (AM) (PM) Date   |                       |                     | (Approv                                 | ed) (Re     | ejected             | )           |  |             |                                       |
| Size of hole 124 Size of Casing 848 Sacks coment required 865 sectors.  Type of Shoe used Float collar used Btm 3 jts welded Yes  TD of hole 1350 Set 1350 Feet of 85% Inch 24 # Grade 3.55  New used csg. @ 1350 with 125 sacks neat coment around shoe   + 540 sax Thiset additives 10 glove to he Flores + 200 in FD ag Co.  Plug down @ 5 45 (AM) (PM) Date 1/18/90  Cement circulated No No. of Sacks  Cemented by 1/2/100 Witnessed by Descell Moore Mike Studies  Casing test @ (AM) (PM) Date 1/18/90 top cement @ 630' 1. Co.  Checked for shut off @ (AM) (PM) Date  Witnessed by  Checked for shut off @ (AM) (PM) Date   |                       |                     | · · · · · · · · · · · · · · · · · · ·   |             | · · ·               |             | _date  |             |                                       |
| Type of Shoe used Float collar used Btm 3 jts welded Yes  TD of hole 1350 Set 1350 Feet of 85% Inch 74 # Grade 7-55  New used csg. @ 1350 with 125 sacks neat coment around shoe  + 540 sax Three additives 10 closed A Flore + 200 in FD and C.  Plug down @ 5-45 (AM) (PM) Date 1/18/90  Cement circulated No No. of Sacks  Cemented by Holland (PM) Date 1/18/90 top cement @ 630' 1. Coment (AM) (PM) Date  Casing test @ (AM) (PM) Date  Witnessed by  Checked for shut off @ (AM) (PM) Date  |                       |                     |   |             | ,                   |             |  |             |                                       |
| New used csg. @ 1350 With 125 sacks neat coment around shoe  + 540 sax Thiset additives 10 glsow to 12 Flores + 200.1. Physical  Plug down @ 545 (AM) (PM) Date 1/18/90  Cement circulated No No. of Sacks  Cemented by Hollow ton Witnessed by Dancell Moore Mik-Studele  Femp. Survey ran @ 1/120 (AM) (PM) Date 1/18/90 top cement @ 630' 1  Casing test @ (AM) (FM) Date  Witnessed by  Checked for shut off @ (AM) (PM) Date  | Size of hole          | 12/4                | _Size of C                              | asing 2     | 3 <sup>5</sup> /8 S | acks        | coment   | required    | 865 sir                               |
| New Aused csg. @ 1350 with 125 sacks neat coment around shoe  + 540 sax These + additives 10 glove 12 Flore + 200 in 19 ay Co  Plug down @ 5 45 (AM) (PM) Date 1/18/80  Cement circulated 100 No. of Sacks  Cemented by 1/2/20 (AM) (PM) Date 1/18/90 top cement @ 630' 1. Co  Casing test @ (AM) (PM) Date  Witnessed by  Checked for shut off @ (AM) (PM) Date  Witnessed by  Checked for shut off @ (AM) (PM) Date  | Type of Shoe          | used                | Float c                                 | oliarı      | ised                |             | Btm 3 jt:  | welded      | Yes                                   |
| And sax Threset additives 10 glove 1 Flores + 200 in Physical Plug down @ 5 45 (AM) (PM) Date 1/18/90  Cement circulated No No. of Sacks  Cemented by Hollow Witnessed by Darrell Moore Mike Studies  Cemp. Survey ran @ 1/20 (AM) (PM) Date 1/18/90 top cement @ 630' 1. Consing test @ (AM) (PM) Date  Witnessed by  Checked for shut off @ (AM) (PM) Date   | New used csa          | <u>320</u> 36       | 1350 r.se                               | t 01 23/    | Lnch no             | 24 -        | Grade_   | <u> </u>    |                                       |
| Plug down @ 5-45 (AM) (PM) Date 1/18/98  Cement circulated No No. of Sacks  Cemented by Hollowitch Witnessed by Dorrell Moore Mike Stobile  Femp. Survey ran @ 1/120 (AM) (PM) Date 1/18/90 top cement @ 630' 1. 1. 1.  Casing test @ (AM) (FM) Date  Witnessed by  Checked for shut off @ (AM) (PM) Date  | + <u>540</u> sa:      | K Thirse            | <del></del>                             | additiv     | es /0"              | alsou       | 4- 14 F  | ona sno     | on its PD ans Co                      |
| Cement circulated No No. of Sacks  Cemented by Hollowiton Witnessed by Darrell Moore Mike Stubiele  Femp. Survey ran @1/20 (AM) (PM) Date 1/18/90 top cement @ 630' 1. Co.  Casing test @ (AM) (FM) Date  Witnessed by  Checked for shut off @ (AM) (PM) Date  | Plug down @ .         | 5:4 <i>5</i>        | (AM) (PM)                               | Date        | 1/18/8              | ۵           |  |             |                                       |
| Cemented by Holl to to Witnessed by Darrell Moore Mike Stoble Femp. Survey ran @1120 (AM) (PM) Date 1/18/90 top cement @ 630' (  | Cement circul         | lated               | No                                      |             | No. o               | f Sac       | cks —  |             | ·                                     |
| Temp. Survey ran @ // 20 (AM) (PM)         Date  | Cemented by           | Holl by             | 1704                                    |             | Witne               | ssed        | by Daire   | 11 Moore    | Mike Stubele                          |
| Casing test @ (AM) (FM) Date  Method Used Witnessed by  Checked for shut off @ (AM) (PM) Date  | Temp. Survey          | ran @ <u>//</u>     | 30 (AM) (P                              | M) Dat      | e 1/18/             | 90          | _top_cer   | ient @_     | 630' 6.00                             |
| Checked for shut off @ (AM) (PM) Date  | Casing test (         | j)                  | (AM) (P                                 | M) Dat      |                     | ·           |  |             |                                       |
|  | -                     |                     | <del></del>                             |             | Witne               | ssed        | by   |             |                                       |
| Vitnessed by  Remarks: 1st Stage 1" - 40 sks Class C. 2% Coll Tony (a 403)  21stage 1" 212 sks Class C. 2% Coll Circ Soil  |                       |                     |   |             | /                   |             |  |             |                                       |
| 20 Stage 1" 212 :ks Class C 2% Coll Tony (a 40)  | Method used           |                     |   |             | _Witne              | ssed        | by   |             |                                       |
| 20 Stage 1" 212 sks Class C 215 Call Circ Soul   | Remarks: / š          | Stage               | 1" - 40 s                               | ks Cl       | ass C               | 2%          | Co C 1   | Ton le      | 403                                   |
|  | <u> </u>              | stage               | 1" 212 :                                | ks 1        | 5 C                 | A15         | en vision de la companya de la compa | Circ        | ine (                                 |
|  |                       |                     |   | <del></del> | <del></del>         |             | -  |             |                                       |