| Form 3160-4<br>(August 2007)       UNITED STATES<br>DEPARTMENT OF THE INTERIOR<br>BUREAU OF LAND MANAGEMENT       JAN 2 3 2015       FORM APPROVED<br>OMB No. 1004-0137<br>Express: July 31, 2010         WELL COMPLETION OR RECOMPLETION REPORT AND LOG<br>BUREAU OF LAND MANAGEMENT       JAN 2 3 2015       5. Lease Serial No.<br>NMMM26105         In Type of Well Or Or Tribe Name         b. Type of Completion<br>Other       If Indian, Allottee or Tribe Name       6. If Indian, Allottee or Tribe Name         2. Name of Operator<br>CHMAREX ENERGY COMPANY       Contact: ARICKA EASTERLING<br>HARTEX ENERGY COMPANY       8. Lease Name and Well No.<br>LIBERTY 24 FED COM 4H         3. Address 202 S. CHEYENNE, SUITE 1000       Sa. Phone No. (include area code)<br>Ph: 918-560-7060       9. API Well No.<br>30-015-42262         4. Location of Well Report location clearly and in accordance with Federal requirements)*<br>At surfuce NWNW 330FNL 660FWL       10. Field and Pool, or Exploratory<br>COTTONWOOD DRAW, BS         4. Loase Spudded<br>08/09/2014       15. Date T.D. Reached<br>08/23/2014       0. bat A greeny to Prod.<br>10/10/2014       17. Elevations (DF, KB, RT, GL)*<br>30/276 GL         14. Date Spudded<br>08/09/2014       15. Date T.D. Reached<br>08/09/2014       13. State<br>Date T.D. Reached<br>08/09/2014       13. State<br>NM         15. Total Depth:<br>Type Electric & Other Mechanical Logs Run (Submit copy of each)<br>DSN & DLL       20. Depth Bridge Plug Set:<br>MD<br>TYD       MD<br>TYD       Yes (Submit a   |                   |               |   |                 |             |              |            |            |             | ONSE           | AVATIO     | <b>N</b>                           |                 |                 |                     |     |
|---|-------------------|---------------|---|-----------------|-------------|--------------|------------|------------|-------------|----------------|------------|------------------------------------|-----------------|-----------------|---------------------|-----|
| Intervention         Dispersion         Dispersion         Dispersion         Dispersion         Contract Anticology  |                   |               | DEPARTMENT OF THE INTERIOR $1 \times 12$ 3 2013 |                 |             |              |            |            |             |                |            | FORM APPROVED<br>OMB No. 1004-0137 |                 |                 |                     |     |
| In. Type of Well         GO Well         Go Well         Go Well         Decy         Plug Back         Diff. Rev.           0. Name of Completion         B. New Well         Work Over         Decyn         Plug Back         Diff. Rev.           2. Name of Operator         Contact         Contact         Contact         Rev. MRICKA EASTERLING         8. Lease Name and Well No.<br>LIEERTY 24 FED Cold H1           3. Address         202 S. CHEYENNE, SUITE 1000         Str. Plose Kort         9. API Well No.<br>LIEERTY 24 FED Cold H1           3. Address         202 S. CHEYENNE, SUITE 1000         Str. Plose Kort         9. API Well No.<br>LIEERTY 24 FED Cold H1           3. Address         202 S. CHEYENNE, SUITE 1000         Str. Plose Kort         9. API Well No.<br>COTTONWOOD DRAW, B:<br>COTTONWOOD DRAW, B:<br>COT  |                   | WELL (        | COMPL   | ETION C         | R RECO      | OMPLETI      | ON RI      | EPORT      |             |                | FD         |                                    |                 |                 |                     |     |
| Other   | la. Type of       | Well 🛛        | Oil Well  | 🗖 Gas '         | Well 🔲      | Dry 🔲        | Other      |            | ¥           | <u> </u>       | fan UP     | 6. If Inc                          | dian, All       | ottee or        | Tribe Name          |     |
| CHMAREX         ENERCY         COMPANY         E-Mail: aeasterfing@cimarox.com         UBERTY 24 FED COM 41           3. Address         202 S CHETENDS         3e. Phone No. (include area codo)         9. API Wel No.         30-015-42262           4. Location of Well (Report location clearly and its accordance with Federal requirements)*         10. Field and Pol, or Exploratory         10. Field and Pol, or Exploratory           At top pred interval reported below         NWNW 330FNL 660FWL         11. Sec, T. R., No. Pollok.com Survey         12. County or Parish         13. State           14. Dare Spuided         15. Date T. D. Resched         0. Date Completed         10. Field and Pol, or Exploratory         13. State           15. Total Depth:         MD         11. Trans         19. Plag Back T.D.:         MD         11. Sec, T.R., No. Total         13. State           21. Type Electric & Other Mechanical Logs Run (Submit copy or each)         TVD         TVD         TVD         TVD         22. Was vell coreal?         No.         Yes (Submit analysis)           23. Casing and Liner Record         (Report all strings'set in soft)         Top State         No.         State         No.         Yes (Submit analysis)           24. Totals Record         5200 LBO         13.375 J35         48.0         0         418         600         0         226         0 <td< td=""><td>b. Type of</td><td>Completion</td><td>_</td><td></td><td>_</td><td>_</td><td></td><td>🗖 Pluj</td><td>g Back</td><td>🗖 Diff.</td><td>Resvr.</td><td>7. Unit</td><td>or CA A</td><td>greem</td><td>ent Name and No</td><td>).</td></td<>  | b. Type of        | Completion    | _   |                 | _           | _            |            | 🗖 Pluj     | g Back      | 🗖 Diff.        | Resvr.     | 7. Unit                            | or CA A         | greem           | ent Name and No     | ).  |
| 3. Address 202 S. CHEVENNE, SUITE 1000         3a. Phone %n (include area code)         9. API Well No.         30-015-42262           4. Location of Well (Report location clearly and in accordance with Federal requirements)*         10. Field and Pool, or Esolution Clearly and in accordance with Federal requirements)*         10. Field and Pool, or Esolution Clearly and in accordance with Federal requirements)*           At top prod interval reports delow         NWNW 330FNL 680FWL         10. Data 7.0. Resched         10. Field and Pool, or ESOE Mer           14. Data Apin SwiGW 330FSL 679FWL         15. Data 7.0. Resched         16. Date Completed         17. Elevations (DF, KB, RT, GL)*           18. Total Depti:         MD         11735         19. Plag Back T.D.:         MD         17/22         20. Depth Bridge Plag Set:         MD           21. Type Electric & Other Mechanical Laga. Run (Submit cony of each)         112. Elevations (DF, KB, RT, GL)*         20. Moneyh Bitting analysis)         20. Was UST run?         20. Seph Bridge Plag Set:         MD           23. Casing and Liner Record (Report all strings set in well)         10. Stage. Coment         11. Elevation analysis)         20. Was UST run?         20. Seph Bridge Plag Set:         MD           24. Tubing Record         Stage Cande         Wt (MD)         Stage Cancenter         Two         21. Stage Cande         Vec (Submit analysis)           23. Total pranal Liner Record         Stage Cande   | 2. Name of CIMARE | Operator      |   | ANY F           | -Mail: aeas |              |            |            | RLING       |                |            |                                    |                 |                 |                     |     |
| At surface         NWNW 330FNL 660FWL         COTTON/WOOD DRAW; BS           At top prod interval reported below         NWNW 330FNL 660FWL         11. Sec. 1, K, M, or Block and Survey or Area Sec 24 T2SS R26E Mer           At top prod interval reported below         NWNW 330FNL 660FWL         11. Sec. 1, K, M, or Block and Survey or Area Sec 24 T2SS R26E Mer           At top prod interval depth         SWSW 330FSL 675FWL         16. Date Sec 24 T2SS R26E Mer         12. Compy or Parish         13. State           At top prod interval depth         SWSW 330FSL 675FWL         16. Date Scatter or Area Sec 24 T2SS R26E Mer         12. Was well coverd?         With tapped being set in well?           18. Total Depth:         MD         11725         10. Plug Back T.D.:         MD         11722         20. Depth Bridge Plug Set:         MD         Yes (Submit analysis)           21. Type Electric & Other Mechanical Logs Run (Submit copy of each)         22. Was well cover?         No         Yes (Submit analysis)           32. Casing and Liner Record (Report all strings set in well)         Top         Botom         Depth         Type of Current         No         Yes (Submit analysis)           32. Casing and Liner Record         (Report all strings set in well)         MD         Type of Current         No         Stree Submit analysis)           32. Casing and Liner Record         17.0         0         11735   | 3. Address        | 202 S. CH     | IEYENNI   | E, SUITE 10     |             |              | 3a.        | Phone N    |             | e arca cod     | e)         |                                    |                 |                 |                     | 2   |
| At starface       NVNNV 330FNL 660FVL       11. Sec. T. R. M. or Block and Survey         At total depth       SWSW 330FNL 660FVL       13. State         At total depth       13. Date '7.0 Reached       16. Date Completed       17. Elevation: (M) K. B., RT, G.)*         14. Date Spatiated       13. Date '7.0 Reached       16. Date Completed       17. Elevation: (M) K. B., RT, G.)*         15. Total Depth:       MVD       17725       19. Plug Back T.D.:       MD       17. Elevation: (M) K. B., RT, G.)*         21. Type Electric & Other Mechanical Logs Run (Submit copy of each)       19. Plug Back T.D.:       MD       12. Wasell cored'       West Submit analysis)         23. Casing and Liner Record (Report all strings'str in well)       20. No of Sks. & Stary Vol. (BDU       Ceneur Top*       Amount Pulled         17.22 0 9.625 JS5       36.0       19. Plug Back T.D.:       MD       Depth       Typ of Cenneur       No. of Sks. & Stary Vol. (BDU       Ceneur Top*       Amount Pulled         17.20 13.375 JS5       48.0       117.35       2255       0       2275       0       2275         2.5.700 L80       17.0       0       11735       2255       0       2275       0       2275         2.7.710 0       11735       2255       0       2275       0       2275       0   | 4. Location       | of Well (Re   | port locati                                     | on clearly an   | d in accord | ance with Fe | deral req  | uirements  | 5)*         |                |            |                                    |                 |                 |                     |     |
| At road deph       SWRW 330FSL 60FYFWL       12. County or Pariah       13. Site         14. Total deph       SWSW 330FSL 679FWL       16. Date Completed       17. Elevations (DF, KB, RT, GL)*         18. Total Deph       10 02232014       19. Plug Back T.D.       10. Date Speed       17. Elevations (DF, KB, RT, GL)*         18. Total Deph       MVD       11725       19. Plug Back T.D.       MVD       11722       20. Depth Bridge Plug Set:       MU         21. Type Electric & Other Mechanical Lage Run (Submit copy of each)       V/D       172       20. Depth Bridge Plug Set:       MU       TVD         32. Casing and Liner Record (Report all strings set in well)       Elevation Strings Set in well)       22. Was well cord?       No. G Yes (Submit analysis)         Hole Size       Size/Grade       Wt. (#fh)       Top       Bottom       Depth       Conner Top       Amount Pulled         17.300       13.375 J55       48.0       0       11735       2255       0       27.         8.500       5.500 L80       17.0       0       11735       2255       0       27.         9.500       5.500 L80       17.0       0       11735       2255       0       27.         2.5.75       6617       6617       0       11735       7122 TO   | At surfac         | c NWNV        | V 330FN   | L 660FWL        |             | •            |            |            |             |                |            | 11. Sec                            | ., T., R.,      | M., or          | Block and Surve     | y   |
| Art total depth       SWSW 330FSL 679FWL       EDDY       NM         14. Date Spunded<br>0809/2014       15. Date T.D. Reached<br>08/23/2014       16. Date Completed<br>08/23/2014       17. Elevations (DF, KB, RT, GL)*<br>3276 GL       17. Elevations (DF, KB, RT, GL)*<br>3276 GL         18. Total Depth:       MD       11725       19. Plag Back T.D.:       MD       11722       20. Depth Bridge Plag Set:       MD       TVD         21. Type Electric & Other Mechanical Logs Rm (Submit copy of each)       TVD       11722       20. Depth Bridge Plag Set:       MD       Vs: (Submit analysis)<br>Vs: DS mail analysis)         3. Casing and Liner Record (Report all strings set in well)       8. Date Size/Grade       Wt. (#/ft)       MD       Bottom       Stage Cementer<br>Depth       No. of Sks. &<br>(BBL)       Cement Top*       Amount Pulled         17.500       13. 375 J55       48.0       0       448       600       0       20         12.250       9.625 J55       38.0       0       117.35       22.255       0       27         4. Tubing Record       5ize       Depth Set (MD)       Packer Depth (MD)       Size       Depth Set (MD)       Packer Depth (MD)         2.75       6.617       6617       26. Perforation Record       5ize       No. Holes       Perf. Stalus       26. Perforation Record       27 <td>At top pr</td> <td>od interval i</td> <td>eported b</td> <td>elow NWI</td> <td>NW 330FN</td> <td>L 660FWL</td> <td></td>  | At top pr         | od interval i | eported b                                       | elow NWI        | NW 330FN    | L 660FWL     |            |            |             |                |            |                                    |                 |                 |                     |     |
| 08/09/2014         09/23/2014         D & A. // SP Reduy to Prod.         3276 GL           18. Total Depti:         MD         11735         19. Plug Back T.D.:         MD         11722         20. Depth Bridge Plug Set         MD         TVD           21. Type Electic & Other Mechanical Logs Run (Submit copy of each)         22. Was well cover?         SN N         276 (Submit analysis)           23. Casing and Liner Record (Report all strings set in well)         Top         Bottom         Stage Conenter         No. of Sks. & Starry Vol. (BBL)         Cement Top*         Anount Pulled           17.500         13.375 J55         48.0         0         418         500         0         20           12.250         9.025 J55         36.0         0         11224         545         0         15           8.500         5.500 L80         17.0         0         11735         2255         0         27           24. Tabing Record         Size         Depth Set (MD)         Packer Depth (MD)         Size         Depth Set (MD)         Packer Depth (MD)         Size         Depth Set (MD)         Packer Depth (MD)         Size         No. Holes         Perf. Status           2.0         Depth Set (MD)         Packer Depth (MD)         Size         No. Holes         Perf. Status <td></td> <td>1</td> <td>SW 330F</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>EDI</td> <td>ΟΎ</td> <td></td> <td>NM</td> <td></td>  |                   | 1             | SW 330F   |                 |             |              |            |            |             |                |            | EDI                                | ΟΎ              |                 | NM                  |     |
| Type       First       Type       Type       Type       Type       Type       Type       Type       Star       Type       Star   |                   |               |   |                 |             | iched        |            | D&         | A 🛛         | ed<br>Ready to | Prod.      | 17. Ele                            | vations (<br>32 | DF, KE<br>76 GL | 3, RT, GL)*         |     |
| DŠN & DLL     Was DST run?<br>Directional Survey?     Mo     Ves (Submit analysis)<br>Directional Survey?       23. Casing and Liner Record (Report all strings'set in well)     Top     Botom     Stage Cementer<br>(MD)     No. of Sks. &<br>Type of Cement     Stury Vol.<br>(BBL)     Cement Top*     Amount Pulled       17.500     13.375 J55     48.0     0     418     500     0     20       12.250     9.625 J55     36.0     0     1924     545     0     15       8.500     5.500 L80     17.0     0     11735     2255     0     0     27       -     -     -     -     -     -     -     -     -     -       24. Tubing Record     -     -     -     -     -     -     -     -       25. Producting Intervals     7122     11705     7122 TO 11705     0.540     360     OPEN       25. Producting Intervals     -     -     -     -     -     -     -       26. Perforation Record     -     -     -     -     -     -     -       26. Producting Intervals     26. Perforated Interval     Size     No. Holes     Perf. Status       A)     BONE SPRING     7122     11705     7122 TO 11705     0.540     360 <td>18. Total De</td> <td>pth:</td> <td></td> <td></td> <td>5 19</td> <td>Plug Back</td> <td>T.D.:</td> <td></td> <td>11</td> <td>1722</td> <td>20. De</td> <td>pth Bridge</td> <td></td> <td></td> <td>ΓVD</td> <td></td>   | 18. Total De      | pth:          |   |                 | 5 19        | Plug Back    | T.D.:      |            | 11          | 1722           | 20. De     | pth Bridge                         |                 |                 | ΓVD                 |     |
| Hole Size         Size/Grade         Wt. (#/ft.)         Top<br>(MD)         Bottom<br>(MD)         Stage Cementer<br>Depth         No. of Sks. &<br>Type of Cement         Stury Vol.<br>(BBL)         Cement Top*         Amount Pulled           17.500         13.375 J55         48.0         0         418         500         0         20           12.250         9.625 J55         36.0         0         1924         545         0         15           8.500         5.500 L80         17.0         0         11735         2255         0         27           4         - <td></td> <td></td> <td>er Mecha</td> <td>nical Logs R</td> <td>un (Submit</td> <td>copy of each</td> <td>)</td> <td></td> <td></td> <td>Was</td> <td>s DST run'</td> <td>2 🛛</td> <td>No</td> <td>🗖 Yes</td> <td>(Submit analysi</td> <td>s)</td>   |                   |               | er Mecha  | nical Logs R    | un (Submit  | copy of each | )          |            |             | Was            | s DST run' | 2 🛛                                | No              | 🗖 Yes           | (Submit analysi     | s)  |
| Hole Size         Size/Grade         Wr. (#T.1)         (MD)         (MD)         Depth         Type of Cement         (BBL)         Cement 10P         Amount Pulled           17.500         13.375 J55         48.0         0         418         500         0         20           12.250         9.625 J55         36.0         0         1924         545         0         15           8.500         5.500 L80         17.0         0         11735         2255         0         27  | 23. Casing and    | l Liner Reco  | ord <i>(Repo</i>                                | ort all strings | , í         |              |            | <u> </u>   |             | 6.01 0         |            |                                    |                 |                 | ·· w                |     |
| 12.250       9.625.355       36.0       0       1924       545       0       15         8.500       5.500 L80       17.0       0       11735       2255       0       27         4       7.0       0       11735       2255       0       27         24. Tubing Record  | Hole Size         | Size/G        | rade  | Wt. (#/ft.)     |             |              |            |            |             |                |            |                                    | Cement          | Гор*            | Amount Pull         | ed  |
| 8.500         5.500 L80         17.0         0         11735         2255         0         27.           24. Tubing Record         24. Tubing Record         24. Tubing Record         24. Tubing Record         26. Perforation Record         26. Perforation Record         26. Perforation Record         26. Perforation Record           5ize         Depth Set (MD)         Packer Depth (MD)         Size         Depth Set (MD)         Size         Size         No         Size         Size         Size         Size         Size         Size         Size   |                   |               |   |                 |             |              |            |            |             |                |            |                                    |                 |                 |                     | 204 |
| 24. Tubing Record       24. Tubing Record       26. Perforation Record       27. Acid, Fracture, Treatment, Cement Squeeze, Bic.         23.75       6617       6617       6617         7122       11705       7122 T0 11705       0.540         8)       9       11705       7122 T0 11705       0.540         90       11705       7122 T0 11705       0.540       360 OPEN         0)       1       1       1       1       1         10       1       1       1       1       1       1         10       1       1       1       1       1       1       1         10       1 <td></td> <td><u></u></td> <td>-</td> <td></td> <td>150</td>  |                   |               |   |                 |             |              |            |            |             |                |            |                                    | <u></u>         | -               |                     | 150 |
| Size         Depth Set (MD)         Packer Depth (MD)         Size         Depth Set (MD)         Packer Depth (MD)         Size         Depth Set (MD)         Packer Depth (MD)           2.375         6617         6610         6610         6617         6610         6610         6610         6610         6610         6610         6610         6610         6610         6610         6610 <t< td=""><td>8.500</td><td></td><td>500 L80</td><td>17.0</td><td></td><td>5 1173</td><td></td><td></td><td></td><td>223</td><td>55</td><td></td><td></td><td>U</td><td></td><td>270</td></t<>  | 8.500             |               | 500 L80   | 17.0            |             | 5 1173       |            |            |             | 223            | 55         |                                    |                 | U               |                     | 270 |
| Size         Depth Set (MD)         Packer Depth (MD)         Size         Depth Set (MD)         Packer Depth (MD)           2.375         6617         6610         6617         6610         6610         6610         6610         6610         6610         6617         6617         6610         6610         6610 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td></td<>  |                   |               |   |                 |             |              |            |            |             |                |            |                                    | •               |                 |                     |     |
| Size         Depth Set (MD)         Packer Depth (MD)         Size         Depth Set (MD)         Packer Depth (MD)           2.375         6617         6610         6617         6610         6610         6610         6610         6610         6610         6617         6617         6610         6610         6610 <td< td=""><td>24 Tubing I</td><td>Record</td><td></td><td>·····</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>   | 24 Tubing I       | Record        |   | ·····           |             |              |            |            |             |                |            |                                    |                 |                 |                     |     |
| 25. Producing Intervals     26. Perforation Record       Formation     Top     Bottom     Perforated Interval     Size     No. Holes     Perf. Status       A)     BONE SPRING     7122     11705     7122 TO 11705     0.540     360     OPEN       B)   |                   |               | 1D) P   | acker Depth     | (MD) 5      | Size De      | oth Set (1 | MD) I      | Packer De   | pth (MD)       | Size       | Dept                               | 1 Set (M        | D)              | Packer Depth (N     | 1D) |
| Formation     Top     Bottom     Perforated Interval     Size     No. Holes     Perf. Status       A)     BONE SPRING     7122     11705     7122 TO 11705     0.540     360     OPEN       B)     C     1     1     1     1     1     1       C)     1     1     1     1     1     1       D)     1     1     1     1     1     1       27. Acid, Fracture, Treatment, Coment Squeeze, Etc.     1     Amount and Type of Material     1     1       7122 TO 11705     FRAC WITH 3,118,248 GAL TOTAL FLUID & 4,979,202 # SAND.     1     1     1     1       28. Production - Interval A     1     1     1     1     1     1       10/10/2014     10/18/2014     24     1     1     1     1     1       10/10/2014     10/18/2014     24     1     1     1     1     3     1       10/10/2014     10/18/2014     1     1     1     1     3     1     3     1       25/64     Si     2     1     0     1     1     1     3     1     1       28. Production - Interval B     1     1     1     1     1     1     <   |                   |               | 6617  |                 | 6617        |              | (          | c p        | 1           |                |            |                                    | ·····           |                 |                     |     |
| A)       BONE SPRING       7122       11705       7122 TO 11705       0.540       360       OPEN         B)       C       Image: Constraint of the second seco  | ······            |               |   | Tan             |             |              |            |            |             |                | - Sizo     | No                                 | Holog           | 1               | Dorf Status         |     |
| B)  |                   |               | RING  |                 |             |              | 1          | enorated   |             | D 11705        |            |                                    |                 | OPEN            |                     |     |
| D)  |                   |               |   |                 |             |              |            |            |             |                |            |                                    |                 |                 |                     |     |
| 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.         Depth Interval         Amount and Type of Material         7122 TO 11705         FRAC WITH 3,118,248 GAL TOTAL FLUID & 4,979,202 # SAND.         28. Production - Interval A         Date First roduced Date         Date Date       Fest         Production       Test         D10/10/2014       10/18/2014         24       Test         Dil       Gas         MCF       BBL         MCF       BBL         Corr. API       Gravity         Gravity       Gas         Corr. API       Gravity         Gas       Production Method         Star       20.0         Star   |                   |               |   |                 |             |              |            |            |             |                |            | _                                  |                 | <u> </u>        |                     |     |
| Depth Interval       Amount and Type of Material         7122 TO 11705       FRAC WITH 3,118,248 GAL TOTAL FLUID & 4,979,202 # SAND.         28. Production - Interval A         Date First Trotuced Date Tested Total Production - Interval A         10/10/2014       10/18/2014       24       Oil BBL       Gas MCF       BBL       Oil Gas Mater       Gas Gas Gas Gas Gas Gas Mater       Production Method         10/10/2014       10/18/2014       24       Oil Gas       Water BBL       Gas  |                   | cture Treat   | ment Cer  | ment Squeeze    | Fie         |              |            | · · · · ·  |             | l              | ···        |                                    | <u></u>         |                 | . <b>_</b>          |     |
| 28. Production - Interval A         28. Production - Interval A         Date First Test Date Date Date Tested Tested Tested Tested Tested Toduction 10/10/2014       Test Date Tested Tested Tested Tested Toduction 587.0       Oil Gas MuCF BBL Orr. API OR |                   |               |   | nent Squeeze    | ., 15.00.   |              |            | A          | mount an    | d Type of      | Material   |                                    |                 | <u> </u>        | <u></u>             |     |
| Bate First roduced     Test Date     Hours Tested     Test Production     Oil BBL     Gas MCF     BBL     Oil Gravity Corr. API     Gas Gravity     Production Method       10/10/2014     10/18/2014     24     Production     587.0     992.0     1034.0     45.5     Gravity     Gas Gravity     GAS LIFT       hoke     Tbg. Press.     Csg.     24 Hr.     Oil BL     Gas MCF     BBL     Gas MCF     BBL     Gas:Oil Ratio     Well Status       25/64     S1     20.0     587     992     1034     1690     POW     POW  |                   | 712           | 2 TO 11   | 705 FRAC V      | /ITH 3,118, | 248 GAL TO   | TAL FLU    | ID & 4,979 | ,202 # SA   | NÐ.            |            |                                    |                 |                 |                     |     |
| Date First<br>roduced     Test<br>Date     Hours<br>Tested     Test<br>Production     Oil<br>BBL     Gas<br>MCF     Water<br>BBL     Oil Gravity<br>Corr. API     Gas<br>Gravity     Production Method       10/10/2014     10/18/2014     24     1     587.0     992.0     1034.0     45.5     Gravity     Gas<br>Gravity     Gas<br>Gravity     Production Method       hoke<br>ize     Tbg. Press.<br>25/64     Csg.<br>S1     24 Hr.<br>20.0     Oil<br>S87     Gas<br>BBL     Water<br>BBL     Gas:Oil<br>Ratio     Well Status       25/64     S1     20.0     587     992     1034     1690     POW       28a. Production - Interval B     Fest     Oil     Gas     Water     Oil Gravity     Gr   |                   | ,             |   |                 |             |              | n 1        |            |             |                |            |                                    |                 |                 |                     |     |
| Date First<br>roduced     Test<br>Date     Hours<br>Tested     Test<br>Production     Oil<br>BBL     Gas<br>MCF     Water<br>BBL     Oil Gravity<br>Corr. API     Gas<br>Gravity     Production Method       10/10/2014     24     24     0il<br>587.0     Gas<br>992.0     1034.0     45.5     Gravity     Gas<br>Gravity     Production Method       choke     Tbg. Press.<br>ize     Csg.<br>20.0     24 Hr.<br>BBL     Oil<br>BBL     Gas<br>MCF     Water<br>BBL     Gas:Oil<br>Ratio     Well Status       25/64     S1     20.0     587     992     1034     1690     POW       28a. Production - Interval B     Fest     Oil     Gas     Water     Oil Gravity     Gr   |                   |               |   |                 |             |              |            |            |             |                |            |                                    |                 |                 |                     |     |
| Produced     Date     Tested     Production     BBL     MCF     BBL     Corr. API     Gravity       10/10/2014     10/18/2014     24     -     587.0     992.0     1034.0     45.5     Gravity       Choke     Tbg. Press.     Fiwg. 710     Press.     24 Hr.     Oil     Gas     Water     BBL     Ratio       25/64     S1     20.0     -     587     992     1034     1690     POW  |                   |               |   |                 | 01          |              |            | louá       | · · · · · · |                |            | <b>D</b> 1 <i>c</i> - 1            | ·               |                 |                     |     |
| Choke     Tbg. Press.     Csg.     24 Hr.     Oil     Gas     Water     Gas:Oil     Well Status       25/64     S1     20.0      587     992     1034     1690     POW       28a. Production - Interval B      587     Gas     Water     Oil Gravity     Gr     Gr  | roduced           | Date          | Tested  |                 | BBL'        | MCF          | BBL        | Cort.      | API         |                | ity        | Production                         | Method          |                 |                     |     |
| Bize     Flwg.     710     Press.     Rate     BBL     MCF     BBL     Ratio       25/64     S1     20.0      587     992     1034     1690     POW       28a. Production - Interval B       Date First     Test     Hours     Test     Oil     Gas     Water     Oil Gravity     Gr  |                   |               |   | 24 Hr.          |             |              |            |            |             | Well           | Status     |                                    |                 | GAS L           | FT                  |     |
| 28a. Production - Interval B<br>Pate First Test Hours Test Oil Gas Water Oil Gravity G  | ize I             | Iwg. 710      | Press.  |                 | BBL         | MCF          | BBL        | Ratio      |             |                |            |                                    |                 |                 |                     | -   |
| ate First Test Hours Test Oil Gas Water Oil Gravity G   |                   |               |   |                 | 507         | 332          | L 103      | <u> </u>   | 1030        |                |            |                                    |                 |                 |                     |     |
| Choke Tbg. Press. Csg. 24 Hr. Oil Gas Water Gas:Oil Wel subsequently be reviewed<br>SI SI S  | Date First        | ſest          | Hours   |                 |             |              |            |            |             |                | Dei        | nding B                            | LMa             | ppro            | vals will<br>viewed |     |
|   | lize I            | ויק.          |   |                 |             |              |            |            |             | Wel            | sul        | oseque<br>d scan                   | ntly t<br>ned j | ne rei<br>AD    | )                   |     |

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| 286 D                                   | duction Inter                                   | val C                      |                                  |                               |                           |  | •                                      |  |  | •                             |                  |                             |
|---|---|----------------------------|----------------------------------|-------------------------------|---------------------------|--|--|--|--|-------------------------------|------------------|-----------------------------|
| 28b. Proc<br>Date First                 | duction - Inter                                 | Hours                      | Test                             | Oil                           | Gas                       | Water                                  | Oil Gravity                            | Gas  |  | Production Method             |                  |                             |
| Produced                                | Date  | Tested                     | Production                       | BBL                           | MCF                       | BBL                                    | Corr. API                              | Grav                                       |  |                               |                  |                             |
| Choke<br>Size                           | Tbg. Press.<br>Flwg.<br>Sl                      | Csg.<br>Press.             | 24 Hr.<br>Rate                   | Oil<br>BBL                    | Gas<br>MCF                | Water<br>BBL                           | Gas:Oil<br>Ratio                       | Well                                       | l Status   |                               |                  |                             |
| 28c. Proc                               | duction - Inter                                 | val D                      | <b>.</b>                         | •                             | •                         |  |  |  |  |                               |                  |                             |
| Date First<br>Produced                  | Test<br>Date                                    | Hours<br>Tested            | Test<br>Production               | Oil<br>BBL                    | Gas<br>MCF                | Water<br>BBL                           | Oil Gravity<br>Corr. API               | Gas<br>Grav                                |  |                               |                  |                             |
| Choke<br>Size                           | Tbg. Press.<br>Flwg.<br>Sl                      | Csg.<br>Press.             | 24 Hr.<br>Rate                   | Oil<br>BBL                    | Gas<br>MCF                | Water<br>BBL                           | Gas:Oil<br>Ratio                       | Well                                       | l Status   |                               |                  |                             |
| 29. Dispo<br>SOL                        | osition of Gas<br>D                             | (Sold, used                | l for fuel, veni                 | ed, etc.)                     |                           |  |  |  |  |                               |                  |                             |
| 30. Sum                                 | mary of Porou                                   | s Zones (I                 | nclude Aquife                    | ers):                         |                           |  |  |  | 31. For  | rmation (Log) Mar             | rkers            |                             |
| tests,                                  | v all important<br>including dep<br>recoveries. | zones of p<br>oth interval | porosity and c<br>tested, cushic | ontents there<br>on used, tim | eof: Cored<br>e tool open | intervals and , flowing an             | d all drill-stem<br>d shut-in pressure | DS   |  |                               |                  |                             |
|   | Formation                                       |                            | Тор                              | Bottom                        |                           | Descript                               | ions, Contents, et                     | с.   |  | Top<br>Meas. Depth            |                  |                             |
| BELL CA<br>CHERRY<br>BONE SF<br>BONE SF | CANYON<br>PRING                                 |                            | 1995<br>* 2962<br>5863<br>6957   | 2809<br>3768<br>6160<br>7595  | . W/                      | ATER<br>ATER<br>ATER & G/<br>ATER, GAS |  |  | SALADO<br>CASTILLE<br>BELL CANYON<br>CHERRY CANYON |                               |                  | 968<br>1661<br>1934<br>2885 |
| DONE                                    |   |                            | 0001                             | 1000                          |                           |  | er, GAS, OL                            |  |  | BRUSHY CANYON<br>BONE SPRING  |                  |                             |
|   |   |                            |                                  |                               |                           |  |  |  |  |                               |                  |                             |
|   | ·   |                            |                                  |                               |                           |  |  |  |  |                               |                  |                             |
|   |   |                            |                                  |                               |                           |  |  |  |  |                               |                  |                             |
|   |   |                            |                                  |                               |                           |  |  |  |  |                               |                  |                             |
|   |   |                            |                                  |                               |                           |  |  |  |  |                               |                  |                             |
|   | tional remarks<br>s sent to Carl                |                            |                                  |                               |                           |  |  |  |  |                               |                  |                             |
| -                                       |   |                            |                                  |                               |                           |  |  |  |  |                               |                  |                             |
|   |   |                            |                                  |                               |                           |  |  |  |  |                               |                  |                             |
| 33. Circl                               | e enclosed att                                  | achments:                  |                                  |                               | <u> </u>                  |  |  |  |  | <u></u>                       | <u> </u>         |                             |
|   | lectrical/Mech<br>undry Notice f                | ~                          |                                  | . ,                           |                           | ic Report<br>nalysis                   |  | <ol> <li>DST Re</li> <li>Other:</li> </ol> | port   | 4. Directio                   | nal Survey       |                             |
| 34. I here                              | eby certify tha                                 | t the foreg                | 6                                | ronic Subm                    | ission #28                | 8871 Verifi                            | ed by the BLM V                        | Vell Infor                                 | mation Sy  | e records (see atta<br>/stem. | ched instruction | ons):                       |
| Nom                                     | e (please print                                 |                            | FASTEDII                         |                               | MAKEA E                   | NEKGY C                                | OMPANY, sent                           | to the Ca                                  |  | IAI VST                       |                  |                             |
| inaith                                  | c (pieuse pi mi                                 | / MINUN                    |                                  |                               |                           |  |  | LOULA                                      |  |                               |                  |                             |
| Signa                                   | ature   | (Electro                   | nic Submiss                      | ion)                          |                           |  | Date (                                 | 01/21/201                                  | 5  |                               |                  |                             |
|   |   |                            |                                  |                               |                           |  |  |  |  |                               |                  |                             |

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