| WI   | ELL COMI   | В  | DEPARTM<br>UREAU OI  | F LAND M   | HE INT<br>IANAG  | EMENT  | ANDI   | <b>oc</b><br>26   | 2012  | O!<br>Exp<br>5. LEASE DESIGN  | ORM APPROVE<br>MB NO. 1004-01<br>ires: March 31, 2<br>JATION AND SI<br>Ila Contra | 37<br>007<br>ERIAL NO.   |
|--|--|--|--|--|--|--|--|---|---|---|---|--|
| <ul><li>ta. Type of Well</li><li>b. Type of Comp</li></ul>   |  | Well X   | Gas Well Workover  | ]Dıy<br>rD   | Other  | Pilg Bac   | م مر   | Diff  | - ل<br>Resvr.   | 6: FINDIAN ALLOT  | arilla Apac<br>ENT  |  |
| 2. Name of Operat  | lor  |  |  |  |  |  |  |   |   | 4 CARLOR L CA   |   | CONS. DIV.   |
| _  | perating, LL   | С  |  |  |  |  |  |   |   | Jicarilla   |   | 0 AUG 27 '14<br>55 #23E3   |
|  | Fannin Stree   |  |  |  |  | Phone No. (inc.<br>71.   | lude area co<br><b>3-659-35</b>  |   |   | 9. API WELL NO.<br>30-039-31216-0001 - 00C 1  |   |  |
| <ol> <li>Location of We<br/>At surface</li> </ol>  | cll (Report location   |  |  |  | <u> </u>   | · · · · · · · · · · · · · · · · · · ·  |  |   |   | 10. FIELD NAME  | asin Dakot  | 9  |
| AI SBIILCC   |  | UL M, (  | 571' FSL & (   | 671' FWL, S  | Sec. 32, 1   | Г26N, R5W  | V  |   | 1   | 11. SEC. T, R, M., OR BLOCK AND SURVEY  |   |  |
| At top prod. Interva   | il reported below  |  |  |  |  |  |  |   |   | OR AREA Sec<br>12. COUNTY OR  |   | R5W, UL M<br>13. STATE   |
|  |  |  |  | Same as SH   | IL   |  |  |   |   | <b>D!</b> 4   |   | <b>X13</b> <i>F</i>  |
| 14. Date Spudded   | 115  | 5. Date T.D. I   | Reached  | 16. D  | Date Complet   | ed 08/25/20  | 14   |   |   | Rio Ar<br>17. ELEVATIONS  |   | <u>NM</u><br>GR, etc.)*  |
|  |  |  |  |  | Dð   |  | Ready to Pr  | rod.  |   |   |   |  |
| 5/2/2<br>18. Total Depth:  | 014  | 7280'  | 5/10/2014<br>19. Plug bac  | k T.D.: x  | 1D   | 722  | 1'   |   |   | GL: 6   | 508', KB:   | 6521'  |
|  | TVD  | 7280'  |  |  | VD   | 722  |  |   |   |   |   |  |
|  |  |  |  |  |  |  |  |   |   | _   |   |  |
| Hole Size  | g and Liner Rec<br>Size/ Grade   | Wt. (  | //ft_) Top   | (MD) Bo  | ttom(MD)   | Stage Cemen  | ter Depth  |   | Directional Sur   | Slurry Vol. (Bbl)   | Yes (   | Submit copy)   |
|  |  | Wt. ()   | #/ft.) Top<br># 0  | (MD) Bo  | ttom(MD)<br>523'<br>7271'  | Stage Cemen<br>2202/4  |  | No. of Sk<br>297 sx T   | <u></u>   |   |   | Amount Pulled  |
| Hole Size  | Size/ Grade<br>8 5/8"/, J-5  | Wt. ()   | #/ft.) Top<br># 0  | (MD) Bo  | 523'   |  |  | No. of Sk<br>297 sx T<br>12<br>(24  | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)   | Slurry Vol. (Bbl)<br>73 1/2   | Cement Top <sup>4</sup><br>Surf (cire   | Amount Pulled  |
| Hole Size  | Size/ Grade<br>8 5/8"/, J-5  | Wt. ()   | #/ft.) Top<br># 0  | (MD) Bo  | 523'   |  |  | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. 1   | s. & Type of<br>ypeIII cmt<br>01 sx   | Slurry Vol. (Bbl)<br>73 1/2   | Cement Top <sup>4</sup><br>Surf (cire   | Amount Pulled  |
| Hole Size<br>12 1/4"<br>7 7/8"   | Size/ Grade<br>8 5/8"/, J-5:<br>4 1/2", N-80   | Wt. ()   | #/ft.) Top<br># 0  | (MD) Bo  | 523'   |  |  | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. 1<br>Tyj  | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &   | Slurry Vol. (Bbl)<br>73 1/2   | Cement Top <sup>4</sup><br>Surf (cire   | Amount Pulled  |
| Hole Size<br>12 1/4"<br>7 7/8"   | Size/ Grade<br>8 5/8"/, J-5  | Wt. (i           5         24           0         11.  | #/ft.) Top<br># 0  | (MD) Bo  | 523'<br>7271'  |  | 1100   | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. 1<br>Tyj  | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages  | Slurry Vol. (Bbl)<br>73 1/2<br>431  | Cement Top <sup>4</sup><br>Surf (cire   | Amount Pulled  |
| Hole Size<br>12 1/4"<br>7 7/8"<br>24. Tubinį   | Size/ Grade<br>8 5/8"/, J-5:<br>4 1/2", N-80   | Wt. (i           5         24           0         11.  | ##.) Top<br># 0<br>6# 0  | (MD) Bot   | 523'<br>7271'  | 2202/4   | Packer [   | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. 1<br>Tyj<br>3 st  | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages  | Slurry Vol. (Bbl)<br>73 1/2<br>431  | Cement Top <sup>4</sup><br>Surf (circ<br>CBL/circ                                 | Amount Pulled  |
| Hole Size<br>12 1/4"<br>7 7/8"<br>24. Tubing<br>Size<br>2 3/8"   | Size/ Grade<br>8 5/8"/, J-5:<br>4 1/2", N-80<br>g Record<br>Depth Set (M<br>7083'<br>cing Intervals  | Wt. (i           5         24           0         11.  | Top         Top           #         0           6#         0   | (MD) Bot   | 523'<br>7271'  | 2202/4   | Packer I   | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. 1<br>Tyj<br>3 st  | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages  | Slurry Vol. (Bbl)<br>73 1/2<br>431<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20              | Cement Top <sup>4</sup><br>Surf (circ<br>CBL/circ                                 | Amount Pulled Amount Pulled Packer Depth (MD)                                |
| Hole Size<br>12 1/4"<br>7 7/8"<br>24. Tubing<br>Size<br>2 3/8"   | size/ Grade<br>8 5/8"/, J-5:<br>4 1/2", N-80<br>g Record<br>Depth Set (M<br>7083'<br>cing Intervals<br>Formation<br>Dakota   | Wt. (i           5         24           0         11.  | Top         Top           #         0           6#         0           cker Depth (MD)           Top           6941'   | (MD) Boi   | 523'<br>7271'  | the Set (MD) Perforation Perforated Im 6944-69   | Packer [<br>Packer ]<br>B Record<br>teval<br>72  | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. 1<br>Tyj<br>3 st<br>Depth (MD   | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages<br>) Siz<br>0.40"  | Slurry Vol. (Bbl)<br>73 1/2<br>431<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20              | Cement Top <sup>4</sup> Surf (circ CBL/circ                                       | Amount Pulled Amount Pulled Amount Pulled Packer Depth (MD) erf. Status Open |
| Hole Size<br>12 1/4"<br>7 7/8"<br>24. Tubing<br>Size<br>2 3/8"<br>25. Produce<br>A)<br>B)  | Size/ Grade<br>8 5/8"/, J-5:<br>4 1/2", N-80<br>g Record<br>Depth Set (M<br>7083'<br>cing Intervals<br>Formation   | Wt. (i           5         24           0         11.  | Top         Top           #         0           6#         0           cker Depth (MD)           Top   | (MD) Boi   | 523'<br>7271'  | 2202/4   | Packer [<br>Packer ]<br>B Record<br>teval<br>72  | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. 1<br>Tyj<br>3 st<br>Depth (MD   | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages  | Slurry Vol. (Bbl)<br>73 1/2<br>431<br>ze Dept   | Cement Top <sup>4</sup> Surf (circ CBL/circ                                       | Amount Pulled Amount Pulled Packer Depth (MD)                                |
| Hole Size<br>12 1/4"<br>7 7/8"<br>24. Tubing<br>Size<br>2 3/8"<br>25. Produce<br>A)  | size/ Grade<br>8 5/8"/, J-5:<br>4 1/2", N-80<br>g Record<br>Depth Set (M<br>7083'<br>cing Intervals<br>Formation<br>Dakota   | Wt. (i           5         24           0         11.  | Top         Top           #         0           6#         0           cker Depth (MD)           Top           6941'   | (MD) Boi   | 523'<br>7271'  | the Set (MD) Perforation Perforated Im 6944-69   | Packer [<br>Packer ]<br>B Record<br>teval<br>72  | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. 1<br>Tyj<br>3 st<br>Depth (MD   | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages<br>) Siz<br>0.40"  | Slurry Vol. (Bbl)<br>73 1/2<br>431<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20              | Cement Top <sup>4</sup> Surf (circ CBL/circ                                       | Amount Pulled Amount Pulled Amount Pulled Packer Depth (MD) erf. Status Open |
| Hole Size<br>12 1/4"<br>7 7/8"<br>24. Tubing<br>Size<br>2 3/8"<br>25. Produce<br>A)<br>B)<br>C)<br>D)<br>27. Acid,F  | Size/ Grade<br>8 5/8"/, J-5:<br>4 1/2", N-80<br>g Record<br>Depth Set (M<br>7083'<br>cing Intervals<br>Formation<br>Dakota<br>Dakota<br>Dakota   | Wt. (i           5         24           0         11.           ID         Pa  | Top         Top           #         0           6#         0   | (MD) Boi<br>Sizc<br>Bottom<br>7280'<br>7280'   | 523'<br>7271'  | the Set (MD) Perforation Perforated Im 6944-69   | Packer I<br>Packer I<br>Record<br>teval<br>72<br>74'   | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. 1<br>Tyj<br>3 st<br>Depth (MD   | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages<br>) Si<br>Sizc<br>0.40"<br>0.40"  | Slurry Vol. (Bbl)<br>73 1/2<br>431<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20              | Cement Top <sup>4</sup> Surf (circ CBL/circ                                       | Amount Pulled Amount Pulled Amount Pulled Packer Depth (MD) erf. Status Open |
| Hole Size<br>12 1/4"<br>7 7/8"<br>24. Tubing<br>Size<br>2 3/8"<br>25. Produce<br>A)<br>B)<br>C)<br>D)<br>27. Acid,F  | Size/ Grade<br>8 5/8"/, J-5:<br>4 1/2", N-80<br>g Record<br>Depth Set (M<br>7083'<br>cing Intervals<br>Formation<br>Dakota<br>Dakota   | Wt. (i           5         24           0         11.           ID)         Pa           ID)         Pa  | Top         Top           #         0           6#         0   | (MD) Boi<br>Sizc<br>Bottom<br>7280'<br>7280'   | 523'<br>7271'<br>Dep   | th Set (MD)<br>Perforation<br>Perforated Int<br>6944-69'<br>7025'-71'  | Packer E<br>Packer E<br>Record<br>teval<br>72<br>74'   | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. 1<br>Tyj<br>3 st<br>Depth (MD   | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages<br>) Si<br>Size<br>0.40"<br>0.40"<br>Material  | Slurry Vol. (Bbl)<br>73 1/2<br>431<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20              | Cement Top <sup>4</sup> Surf (circ CBL/circ                                       | Amount Pulled Amount Pulled Amount Pulled Packer Depth (MD) erf. Status Open |
| Hole Size<br>12 1/4"<br>7 7/8"<br>24. Tubing<br>Size<br>2 3/8"<br>25. Produce<br>A)<br>B)<br>C)<br>D)<br>27. Acid,F  | Size/ Grade<br>8 5/8"/, J-5:<br>4 1/2", N-80<br>g Record<br>Depth Set (M<br>7083'<br>cing Intervals<br>Formation<br>Dakota<br>Dakota<br>Dakota   | Wt. (i)           5         24           0         11.           ID)         Pa           ent, Cemer         100   | Image: Top         Top           #         0           6#         0           cker Depth (MD)           Top           6941'           6941'           6941'           6941'  | (MD) Boi<br>Sizc<br>Bottom<br>7280'<br>7280'<br>Cl, frac w/89,3  | 523'<br>7271'<br>Dep<br>26.  | Derforated Int<br>6944-69<br>7025'-71'   | Packer I<br>Packer I<br>Record<br>teval<br>72<br>74'<br>Amount ar<br>95,256 ga   | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. 1<br>Tyj<br>3 st<br>Depth (MD   | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages<br>) Si<br>Size<br>0.40"<br>0.40"<br>Material<br>el  | Shurry Vol. (Bbl)<br>73 1/2<br>431<br>  | Cement Top <sup>4</sup> Surf (circ CBL/circ                                       | Amount Pulled Amount Pulled Amount Pulled Packer Depth (MD) erf. Status Open |
| Hole Size<br>12 1/4"<br>7 7/8"<br>24. Tubing<br>Size<br>2 3/8"<br>25. Produce<br>A)<br>B)<br>C)<br>D)<br>27. Acid,F<br>6944'-6972'   | Size/ Grade<br>8 5/8"/, J-5:<br>4 1/2", N-80<br>g Record<br>Depth Set (M<br>7083'<br>cing Intervals<br>Formation<br>Dakota<br>Dakota<br>Dakota   | Wt. (i)           5         24           0         11.           ID)         Pa           ent, Cemer         100   | <pre>//ft.) Top # 0 6# 0 6# 0 ckcr Dcpth (MD) Top 6941' 6941' 6941' 1 50 gal.15% Ht</pre>  | (MD) Boi<br>Sizc<br>Bottom<br>7280'<br>7280'<br>Cl, frac w/89,3  | 523'<br>7271'<br>Dep<br>26.  | Derforated Int<br>6944-69<br>7025'-71'   | Packer I<br>Packer I<br>Record<br>teval<br>72<br>74'<br>Amount ar<br>95,256 ga   | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. 1<br>Tyj<br>3 st<br>Depth (MD   | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages<br>) Si<br>Size<br>0.40"<br>0.40"<br>Material<br>el  | Shurry Vol. (Bbl)<br>73 1/2<br>431<br>  | Cement Top <sup>4</sup> Surf (circ CBL/circ                                       | Amount Pulled Amount Pulled Amount Pulled Packer Depth (MD) erf. Status Open |
| Hole Size<br>12 1/4"<br>7 7/8"<br>24. Tubing<br>Size<br>2 3/8"<br>25. Produc<br>A)<br>B)<br>C)<br>D)<br>27. Acid,F<br>6944'-6972'<br>7025'-7174'   | Size/ Grade<br>8 5/8"/, J-5:<br>4 1/2", N-80<br>g Record<br>Depth Set (M<br>7083'<br>cing Intervals<br>Formation<br>Dakota<br>Dakota<br>Dakota   | Wt. (i           5         24           0         11.           ID         Pa           ID         Pa           ent, Cemer         Intervention  | <pre>//ft.) Top # 0 6# 0 6# 0 ckcr Dcpth (MD) Top 6941' 6941' 6941' 1 50 gal.15% Ht</pre>  | (MD) Boi<br>Sizc<br>Bottom<br>7280'<br>7280'<br>Cl, frac w/89,3  | 523'<br>7271'<br>Dep<br>26.  | Derforated Int<br>6944-69<br>7025'-71'   | Packer I<br>Packer I<br>Record<br>teval<br>72<br>74'<br>Amount ar<br>95,256 ga   | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. 1<br>Tyj<br>3 st<br>Depth (MD   | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages<br>) Si<br>Size<br>0.40"<br>0.40"<br>Material<br>el  | Shurry Vol. (Bbl)<br>73 1/2<br>431<br>  | Cement Top <sup>4</sup> Surf (circ CBL/circ                                       | Amount Pulled Amount Pulled Amount Pulled Packer Depth (MD) erf. Status Open |
| Hole Size<br>12 1/4"<br>7 7/8"<br>24. Tubing<br>Size<br>2 3/8"<br>25. Produc<br>A)<br>B)<br>C)<br>D)<br>27. Acid,F<br>6944'-6972'<br>7025'-7174'<br>28. Produc   | Size/ Grade<br>8 5/8"/, J-5:<br>4 1/2", N-80<br>g Record<br>Depth Set (M<br>7083'<br>cing Intervals<br>Formation<br>Dakota<br>Dakota<br>Fracture Treatm<br>Depth Interval  | Wt. (i           5         24           0         11.           ID         Pa           ID         Pa           ent, Cemer         Intervention  | Top       #     0       6#     0       6#     0       cker Depth (MD)       Top       6941'       6941'       6941'       6941'       750 gal.15% Ht       1000 gal. 15%   | (MD) Boi<br>Sizc<br>Bottom<br>7280'<br>7280'<br>7280'<br>Cl, frac w/89,3<br>HCl w/ balls, f  | 523'<br>7271'<br>Dep<br>26.  | Derforated Int<br>6944-69<br>7025'-71'   | Packer I<br>Packer I<br>Record<br>teval<br>72<br>74'<br>Amount ar<br>95,256 ga   | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. 1<br>Tyj<br>3 st<br>Depth (MD<br>Depth | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages<br>) Si<br>Size<br>0.40"<br>0.40"<br>Material<br>el  | Shurry Vol. (Bbl)<br>73 1/2<br>431<br>  | Cement Top <sup>4</sup> Surf (circ CBL/circ                                       | Amount Pulled Amount Pulled Amount Pulled Packer Depth (MD) erf. Status Open |
| Hole Size<br>12 1/4"<br>7 7/8"<br>24. Tubing<br>Size<br>2 3/8"<br>25. Produce<br>A)<br>B)<br>C)<br>D,<br>27. Acid,F<br>6944'-6972'<br>7025'-7174'<br>28. Produce<br>Date First<br>Produced<br>8/18/2014  | Size/ Grade 8 5/8"/, J-5: 4 1/2", N-80 g Record Depth Set (W 7083' cing Intervals Formation Dakota Dakota Cracture Treatm Depth Interval ction- Interval / Test Date 8/23/2014   | Wt. (i)           5         24           0         11.           IDD         Pa           ID                   | Top       #     0       6#     0       6#     0       ckcr Depth (MD)       Top       6941'       6941'       6941'       6941'       1000 gal. 15%       red       Test       Production  | (MD) Boi<br>Sizc<br>Bottom<br>7280'<br>7280'<br>7280'<br>Cl, frac w/89,3<br>HCl w/ balls, f<br>Oil Bbi<br>Oil Bbi  | 523'<br>7271'<br>Dep<br>26.<br>305# 20/4<br>frac w/18<br>Gas<br>ACF<br>174   | 2202/4   | Packer I<br>Packer I<br>Record<br>teval<br>72<br>74'<br>Amount ar<br>95,256 ga<br>0 sand an<br>O sand an                             | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. J<br>Tyj<br>3 st<br>Depth (MD<br>Depth (MD<br>Depth (MD<br>L<br>204 g<br>ad 202,2   | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages<br>) Si<br>Size<br>0.40"<br>0.40"<br>Material<br>el<br>30 gal. 20#<br>Gas Gravity                          | Shurry Vol. (Bbl)<br>73 1/2<br>431<br>  | Cement Top <sup>4</sup> Surf (circ CBL/circ                                       | Amount Pulled Amount Pulled Amount Pulled Packer Depth (MD) erf. Status Open |
| Hole Size<br>12 1/4"<br>7 7/8"<br>24. Tubing<br>Size<br>2 3/8"<br>25. Produce<br>A)<br>B)<br>C)<br>D)<br>27. Acid,F<br>6944'-6972'<br>7025'-7174'<br>28. Produce<br>Date First<br>Produced   | Size/ Grade 8 5/8"/, J-5: 4 1/2", N-86 4 1/2", N-86 g Record Depth Set (N 7083' cing Intervals Formation Dakota Dakota Dakota Cracture Treatm Depth Interval ction- Interval / Test Date 8/23/2014 Tbg. Press Flwg.  | Wt. (i)           5         24           0         11.           ID)         Pa           ID                   | Top       #     0       6#     0       6#     0       ckcr Depth (MD)       Top       6941'       6941'       6941'       6941'       1000 gal. 15%       red       Test       Production  | (MD) Boi<br>Sizc<br>Bottom<br>7280'<br>7280'<br>7280'<br>Cl, frac w/89,3<br>HCl w/ balls, f<br>Oil Bbi G<br>0<br>Oil Bbi G                                   | 523'<br>7271'<br>Dep<br>26.<br>305# 20/4<br>frac w/18  | 2202/4<br>2202/4<br>Perforation<br>Perforation<br>Perforated In<br>6944-69<br>7025'-71<br>80 sand and 9<br>3,335# 20/4<br>Bbl<br>6<br>Water<br>Bbl<br>6  | Packer E<br>Packer E<br>Record<br>teval<br>72<br>74'<br>Amount ar<br>95,256 ga<br>0 sand an<br>O sand an                             | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. J<br>Tyj<br>3 st<br>Depth (MD<br>Depth (MD<br>Depth (MD<br>L<br>204 g<br>ad 202,2   | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages<br>) Si<br>Sizc<br>0.40"<br>0.40"<br>0.40"<br>Material<br>rel<br>30 gal. 20#<br>Gas Gravity<br>Well Status | Slurry Vol. (Bbl)<br>73 1/2<br>431<br>2431<br>26 Depti<br>26 Depti<br>27 Depti<br>26 So<br>41<br>27 Flowing                   | Cement Top <sup>4</sup> Surf (cire CBL/cire n Set (MD) P P hod                    | Amount Pulled  Amount Pulled  Packer Depth (MD)  erf. Status Open Open Open  |
| Hole Size<br>12 1/4"<br>7 7/8"<br>24. Tubing<br>Size<br>2 3/8"<br>25. Produce<br>A)<br>B)<br>C)<br>D)<br>27. Acid,F<br>6944'-6972'<br>7025'-7174'<br>28. Produce<br>Date First<br>Produced<br>8/18/2014<br>Choke Size<br>64/64                 | Size/ Grade 8 5/8"/, J-5: 4 1/2", N-80 3 Contemporal Statement of the second s | Wt. (i)           5         24           0         11.           IDD         Pa           ID                   | Top       #     0       6#     0       6#     0       ckcr Depth (MD)       Top       6941'       6941'       6941'       6941'       1000 gal. 15%       red       Test       Production  | (MD) Boi<br>Sizc<br>Bottom<br>7280'<br>7280'<br>7280'<br>Cl, frac w/89,3<br>HCl w/ balls, f<br>Oil Bbi G<br>0<br>Oil Bbi G                                   | 523'<br>7271'<br>Dep<br>26.<br>305# 20/4<br>frac w/18<br>Gas<br>4CF<br>174<br>Gas  | 2202/4   | Packer I<br>Packer I<br>Record<br>teval<br>72<br>74'<br>Amount ar<br>95,256 ga<br>0 sand an<br>O sand an                             | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. J<br>Tyj<br>3 st<br>Depth (MD<br>Depth (MD<br>Depth (MD<br>L<br>204 g<br>ad 202,2   | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages<br>) Si<br>Sizc<br>0.40"<br>0.40"<br>0.40"<br>Material<br>rel<br>30 gal. 20#<br>Gas Gravity<br>Well Status | Slurry Vol. (Bbl)<br>73 1/2<br>431<br>2431<br>26 Depti<br>26 Depti<br>27 Depti<br>26 So<br>41<br>27 Flowing                   | Cement Top <sup>4</sup> Surf (cire CBL/cire n Set (MD) P P hod                    | Amount Pulled Amount Pulled Amount Pulled Packer Depth (MD) erf. Status Open |
| Hole Size<br>12 1/4"<br>7 7/8"<br>24. Tubing<br>Size<br>2 3/8"<br>25. Produc<br>A)<br>B)<br>C)<br>D)<br>27. Acid,F<br>6944'-6972'<br>7025'-7174'<br>28. Produc<br>Broduced<br>8/18/2014<br>Choke Size<br>64/64<br>28a. Produc<br>Date First    | Size/ Grade 8 5/8"/, J-5: 4 1/2", N-80 g Record Depth Set (M 7083' cing Intervals Formation Dakota Dakota Tracture Treatm Depth Interval ction- Interval Test Date 8/23/2014 Tbg. Press Flwg. St   | Wt. (i)           5         24           0         11.           IDD         Pa           ID                   | //ft.)       Top         #       0         6#       0         6#       0         ckcr Depth (MD)         Top         6941'         6941'         6941'         6941'         1000 gal. 15% Hit         1000 gal. 15%         ed         Test         Production         ss.       24 Hr. Rate                        | (MD) Во<br>(MD) Во<br>Size<br>Воптот<br>7280'<br>7280'<br>7280'<br>7280'<br>Сі, frac w/89,3<br>HCi w/ balls, f<br>Оії Вы С<br>Оії Вы С<br>Оії Вы С           | 523' 7271' 7 | 2202/4 2202/4 2011 2011 2011 2011 2011 2011 2011 201   | Amount ar<br>95,255 ga<br>0 sand an<br>Oil Gravity<br>Gas: Oil R:  | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. 1<br>Tyj<br>3 st<br>Depth (MD<br>Depth | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages<br>) Si<br>Sizc<br>0.40"<br>0.40"<br>0.40"<br>Material<br>rel<br>30 gal. 20#<br>Gas Gravity<br>Well Status | Slurry Vol. (Bbl)<br>73 1/2<br>431<br>ce Dept<br>No. of Holes<br>56<br>41<br>gel<br>Production Met<br>Flowing<br>Ready to pre | Cement Top <sup>4</sup><br>Surf (cire<br>CBL/circ<br>a Set (MD)                   | Amount Pulled  |
| Hole Size<br>12 1/4"<br>7 7/8"<br>24. Tubing<br>Size<br>2 3/8"<br>25. Product<br>A)<br>B)<br>C:<br>D)<br>27. Acid,F<br>6944'-6972'<br>7025'-7174'<br>28. Product<br>Date First<br>Produced<br>8/18/2014<br>Choke Size<br>64/64<br>28a. Product | Size/ Grade 8 5/8"/, J-5: 4 1/2", N-80 4 1/2", N-80 g Record Depth Set (M 7083' cing Intervals Formation Dakota Dakota Dakota Cracture Treatm Depth Interval Ction- Interval A Test Date 8/23/2014 Tbg. Press Flwg. S1 NA ction- Interval  | Wt. (i)           5         24           0         11.           IDD)         Pa           IDD)         Pa | //ft.)       Top         #       0         6#       0         6#       0         ckcr Dcpth (MD)         Top         6941'         6941'         6941'         6941'         6941'         1000 gal. 15%         HI         1000 gal. 15%         ed         Test         Production         ss.         24 Hr. Rate | (MD) Boi<br>(MD) Boi<br>Sizc<br>Bottom<br>7280'<br>7280'<br>7280'<br>7280'<br>CI, frac w/89,3<br>HCI w/ balls, f<br>Oil Bbi<br>Oil Bbi<br>Oil Bbi<br>Oil Bbi | 523'<br>7271'<br>Dep<br>26.<br>305# 20/4<br>frac w/18<br>Gas<br>4CF<br>174<br>Gas<br>4CF<br>174<br>349   | 2202/4<br>2202/4<br>Perforation<br>Perforation<br>Perforated In<br>6944-69<br>7025'-71'<br>80 sand and 9<br>3,335# 20/4<br>Bbl<br>6<br>Water<br>Bbl<br>6 | Packer I<br>Packer I<br>Record<br>teval<br>72<br>74'<br>Amount ar<br>95,256 ga<br>0 sand an<br>O sand an<br>Corr. API<br>Gas: Oil Ra | No. of Sk<br>297 sx T<br>12<br>(24<br>Pr. 1<br>Tyj<br>3 st<br>Depth (MD<br>Depth (MD<br>A<br>4<br>202,2<br>A<br>4<br>202,2<br>A<br>4<br>202,2<br>A<br>4<br>202,2<br>A<br>4<br>202,2<br>A<br>4<br>202,2<br>A<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4   | s. & Type of<br>ypeIII cmt<br>01 sx<br>22 cf)<br>Lite &<br>pe III<br>tages<br>) Sizc<br>0,40"<br>0.40"<br>Material<br>rel<br>30 gal. 20#<br>Gas Gravity<br>Well Status                | Slurry Vol. (Bbl)<br>73 1/2<br>431  | Cement Top <sup>4</sup><br>Surf (circ<br>CBL/circ<br>CBL/circ<br>n Set (MD)       | Amount Pulled  |

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| Date First<br>Produced | Test Date                 | Hours Tested | Test<br>Production | Oil Bbl | Gas<br>MCF | Water<br>Bbl | Oil Gravity<br>Corr. API | Gas Gravity | Production Method |
|------------------------|---------------------------|--------------|--------------------|---------|------------|--------------|--------------------------|-------------|-------------------|
| Choke Size             | Tog. Press<br>Flwg.<br>SI | Csg Press.   | 24 Hr. Rate        | Оіі ВЫ  | Gas<br>MCF | Water<br>Bbi | Gas: Oil Ratio           | Well Status |                   |
|                        | luction- Interva          |              |                    |         |            |              |                          |             | ·····             |
| Date First<br>Produced | Test Date                 | Hours Tested | Test<br>Production | Oil Bbl | Gas<br>MCF | Water<br>Bb! | Oil Gravity<br>Corr. API | Gas Gravity | Production Method |
| Choke Size             | Tbg. Press<br>Flwg.<br>Sl | Csg Press.   | 24 Hr. Rate        | Oil Bbl | Gas<br>MCF | Water<br>Bbl | Gas: Oil Ratio           | Well Status |                   |

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold - TA C104

30. Summary of Porous Zones (include Aquifers): 31. Formation (Log) Markers: Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

| Formation       | Тор      | Bottom | Descriptions Contents, Etc. | Name          | Top<br>Measured Depth |  |
|-----------------|----------|--------|-----------------------------|---------------|-----------------------|--|
| Formation       | rop      |        | Descriptions Contents, Etc. | Ivalle        |                       |  |
| Ojo Alamo       | 2166'    | 2357'  |                             | Cliffouse     | 4408'                 |  |
| Kirtland        | 2357'    | 2645'  |                             | Point Lookout | 4904'                 |  |
| Fruitland Coal  | 2645'    | 2754'  |                             | Greenhorn     | 6865'                 |  |
| Pictured Cliffs | 2754'    | 2838'  |                             | Dakota        | 6941'                 |  |
| Lewis Shale     | 2838'    | 3637'  |                             |               |                       |  |
| Chacra          | 3637'    | 4408'  |                             |               |                       |  |
| Cliffhouse      | 4408'    | 4477'  | ÷                           |               |                       |  |
| Menefee         | 4477'    | 4904'  |                             |               |                       |  |
| Point Lookout   | 4904'    | 5088'  |                             |               |                       |  |
| Mancos Regulato | ry 5404' | 6108'  |                             |               |                       |  |
| Gallup          | 6108'    | 6865'  |                             |               |                       |  |
| Greenhorn       | 6865'    | 6916'  |                             |               |                       |  |
| Graneros Shale  | 6916'    | 6941   |                             |               |                       |  |
| Dakota          | 6941'    | тр     |                             |               |                       |  |

32. Additional remarks (include plugging procedure):

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| 33. Indicate which items have been attached by   | placing a check in the appropriate boxes:                |                                 |   |
|--|--|---------------------------------|---|
| X Electrical/ Mechanical Logs (1 full set required)  | Geologic Report  | DST Report                      | Directional Survey  |
| Sundry Notice for plugging and cement verification   | Core Analysis  | Other:                          | previously submitted  |
| 34. I hereby certify that the foregoing and attached in  | formation is complete and correct as determine           | d from all available record     | s (see attached instructions)*  |
| Name (olcase print) Michelle Doescher  | Title  | Regulatory Consi                | ultant  |
| Name (please print) Michelle Doescher  |  | Acgulatory Const                |   |
| Signature Michello   | ader chen Date   | 8/26/2014                       |   |
| Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, representations as to any matter within its jurisdiction. | make it a crime for any person knowingly and willfully t | o make to any department or age | ency of the United States any false, fictitious or fraudulent ststements or |

(Form 3160-4, page 2)

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