



Objective:

30-015-04369

Set a CIBP over the ABBO interval. Complete the Blinberry and Paddock formations in four stages. Install 2-7/8" Tbg, rods, rod pump, pumping unit and turn well to production.

Procedure:

1. MIRU , unseat packer and POH w/ tbg and packer (
2. RIH w/ 5-1/2" CIBP and set at **6,600 ft.** and spot 100 ft. of class C cmt. on top.
3. Pressure test csg to 3,500 psig. for 15 mins. w/ kill truck.
4. If the csg tests good , then frac down the csg. If not, then frac via 3-1/2" N80 9.3 work string
5. RU Wireline and perforate the first Blinberry stage as listed below (1 spf and 0.41 entry hole)

| Perf # | Depth | SPF   |
|--------|-------|-------|
| 1      | 6150  | 2/SPF |
| 2      | 6142  | 2/SPF |
| 3      | 6134  | 2/SPF |
| 4      | 6126  | 2/SPF |
| 5      | 6118  | 2/SPF |
| 6      | 6110  | 2/SPF |
| 7      | 6102  | 2/SPF |
| 8      | 6094  | 2/SPF |
| 9      | 6086  | 2/SPF |
| 10     | 6078  | 2/SPF |
| 11     | 6070  | 2/SPF |
| 12     | 6062  | 2/SPF |
| 13     | 6054  | 2/SPF |
| 14     | 6046  | 2/SPF |
| 15     | 6038  | 2/SPF |
| 16     | 6030  | 2/SPF |
| 17     | 6022  | 2/SPF |
| 18     | 6014  | 2/SPF |
| 19     | 6006  | 2/SPF |
| 20     | 5998  | 2/SPF |
| 21     | 5990  | 2/SPF |
| 22     | 5982  | 2/SPF |
| 23     | 5974  | 2/SPF |
| 24     | 5966  | 2/SPF |
| 25     | 5958  | 2/SPF |
| 26     | 5950  | 2/SPF |

*Accepted for record*  
5/14/2013  
NMOCD

6. RU Acid and acidize perms. 5950 – 6150 ft. with 2,500 gal of 15% HCL and 30 bio-balls
7. Frac the 1 stage of the Blinberry 5950 – 6150 ft. with 115,000 gals of 15# cross link gel & 150,000 lbs of 16/30 white sand and 30,000 lbs of 16/30 resin coated sand.
8. Flowback
9. RU Wireline and set a 5-1/2" CIBP @ 5900 ft and pressure test to 3,500 psig.
10. Perforate the second Blinberry stage as listed below

| Perf # | Depth | SPF   |
|--------|-------|-------|
| 1      | 5670  | 2/SPF |

|    |      |       |
|----|------|-------|
| 2  | 5662 | 2/SPF |
| 3  | 5654 | 2/SPF |
| 4  | 5646 | 2/SPF |
| 5  | 5638 | 2/SPF |
| 6  | 5630 | 2/SPF |
| 7  | 5622 | 2/SPF |
| 8  | 5614 | 2/SPF |
| 9  | 5606 | 2/SPF |
| 10 | 5598 | 2/SPF |
| 11 | 5430 | 2/SPF |
| 12 | 5422 | 2/SPF |
| 13 | 5414 | 2/SPF |
| 14 | 5406 | 2/SPF |
| 15 | 5398 | 2/SPF |
| 16 | 5390 | 2/SPF |
| 17 | 5382 | 2/SPF |
| 18 | 5374 | 2/SPF |
| 19 | 5366 | 2/SPF |
| 20 | 5358 | 2/SPF |
| 21 | 5350 | 2/SPF |
| 22 | 5342 | 2/SPF |
| 23 | 5334 | 2/SPF |
| 24 | 5326 | 2/SPF |
| 25 | 5318 | 2/SPF |
| 26 | 5310 | 2/SPF |
| 27 | 5302 | 2/SPF |

11. RU Acid and acidize perfs. 5302 – 5670 ft. with 2,500 gal of 15% HCL and 30 bio-balls
12. Frac the 2 stage of the Blinberry 5302 – 5670 ft. with 115,000 gals of 15# cross link gel & 150,000 lbs of 16/30 white sand and 30,000 lbs of 16/30 resin coated sand.
13. Flowback
14. RU Wireline and set a 5-1/2" CIBP @ 5,250 ft and pressure test to 3,500 psig.
15. Perforate the Paddock stage # 1 as listed below:

| Perf # | Depth | SPF   |
|--------|-------|-------|
| 1      | 5070  | 2/SPF |
| 2      | 5060  | 2/SPF |
| 3      | 5050  | 2/SPF |
| 4      | 5040  | 2/SPF |
| 5      | 5030  | 2/SPF |
| 6      | 5020  | 2/SPF |
| 7      | 5010  | 2/SPF |
| 8      | 5000  | 2/SPF |
| 9      | 4990  | 2/SPF |
| 10     | 4980  | 2/SPF |
| 11     | 4970  | 2/SPF |
| 12     | 4960  | 2/SPF |
| 13     | 4950  | 2/SPF |
| 14     | 4940  | 2/SPF |
| 15     | 4930  | 2/SPF |

|    |      |       |
|----|------|-------|
| 16 | 4920 | 2/SPF |
| 17 | 4910 | 2/SPF |
| 18 | 4900 | 2/SPF |
| 19 | 4890 | 2/SPF |

16. RU Acid and acidize perfs. 4890 – 5070 ft. with 2,500 gals of 15% HCL and 30 bio-balls
17. Frac the 1 stage of the Paddock 4890 – 5070 ft. with 114, 000 gals of 15# cross link gel & 115,000 lbs of 16/30 white sand and 15,000 lbs of 16/30 resin coated sand.
18. Flowback
19. RU Wireline and set a 5-1/2" CIBP @ 4,850 ft and pressure test to xxx psig.
20. Perforate the Paddock stage 2 as listed below:

| Perf # | Depth | SPF   |
|--------|-------|-------|
| 1      | 4800  | 2/SPF |
| 2      | 4790  | 2/SPF |
| 3      | 4780  | 2/SPF |
| 4      | 4770  | 2/SPF |
| 5      | 4760  | 2/SPF |
| 6      | 4750  | 2/SPF |
| 7      | 4740  | 2/SPF |
| 8      | 4730  | 2/SPF |
| 9      | 4720  | 2/SPF |
| 10     | 4710  | 2/SPF |
| 11     | 4700  | 2/SPF |
| 12     | 4690  | 2/SPF |
| 13     | 4680  | 2/SPF |
| 14     | 4670  | 2/SPF |
| 15     | 4660  | 2/SPF |
| 16     | 4650  | 2/SPF |
| 17     | 4640  | 2/SPF |
| 18     | 4630  | 2/SPF |
| 19     | 4620  | 2/SPF |
| 20     | 4610  | 2/SPF |
| 21     | 4600  | 2/SPF |

21. RU Acid and acidize perfs. 4600– 4800 ft. with 2,500 gals of 15% HCL and 30 bio-balls
22. Frac the 2 stage of the Paddock 4600 – 4800 ft. with 114, 000 gals of 15# cross link gel & 115,000 lbs of 16/30 white sand and 15,000 lbs of 16/30 resin coated sand.
23. Flowback
24. TIH w/ 2-7/8" tubing workstring to drill out CIBP @ 4,850 ft., 5,250 ft. and 5,900 ft., and clean out to PBSD @ 6,500 ft.
25. POOH and LD 2-7/8" tubing workstring, PU and RIH w/ 2-7/8" Production tubing and tubing BHA
26. Set SN @ 5,150 ft. and the TAC @ 4,200 ft. with 5 Jts. of 2-7/8" tubing MA w/ BP.
27. PU and RIH w/ 250-175-RHBC -24-4 insert frac pump, 12 jts of 1-3/8" K-bars, 32 jts of 3/4" N97 rods, 48 jts. of 7/8" N97 rods, and 74 1.25" FG rods.
28. Space out, load and test for pump action, and hang well on.
29. Inspect PU alignment and level carrier bar.
30. Turn Well to production.

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MAY 13 2013

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
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District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|   |   |   |
|---|---|---|
| <sup>1</sup> API Number<br>30-015-04369 | <sup>2</sup> Pool Code<br>96718                 | <sup>3</sup> Pool Name<br>Loco Hills; Glorieta-Yeso |
| <sup>4</sup> Property Code<br>302589    | <sup>5</sup> Property Name<br>Woolley Federal   | <sup>6</sup> Well Number<br>1                       |
| <sup>7</sup> OGRID No.<br>229137        | <sup>8</sup> Operator Name<br>COG Operating LLC | <sup>9</sup> Elevation<br>3636                      |

<sup>10</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 21      | 17S      | 30E   |         | 660           | South            | 660           | West           | Eddy   |

<sup>11</sup> Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |         |               |                  |               |                |        |

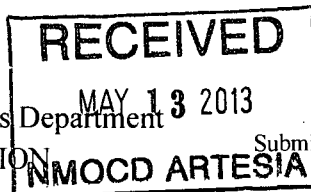
|                                     |                               |                                  |                         |
|-------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>40 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|-------------------------------------|-------------------------------|----------------------------------|-------------------------|

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

|                   |   |  |  |
|-------------------|---|--|--|
| <sup>16</sup><br> | <sup>17</sup> <b>OPERATOR CERTIFICATION</b><br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.<br><br>Signature Date 5/9/13<br>Kanicia Castillo<br>Printed Name<br>kcastillo@concho.com<br>E-mail Address |  |  |
|                   | <sup>18</sup> <b>SURVEYOR CERTIFICATION</b><br>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.<br><br>Date of Survey<br>Signature and Seal of Professional Surveyor:  |  |  |
|                   | Certificate Number  |  |  |
|                   |   |  |  |

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WELL LOCATION AND ACREAGE DEDICATION PLAT

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|---|---|---|
| <sup>1</sup> API Number<br>30-015-04369 | <sup>2</sup> Pool Code<br>39500                 | <sup>3</sup> Pool Name<br>Loco Hills; Abo |
| <sup>4</sup> Property Code<br>302589    | <sup>5</sup> Property Name<br>Woolley Federal   | <sup>6</sup> Well Number<br>1             |
| <sup>7</sup> OGRID No.<br>229137        | <sup>8</sup> Operator Name<br>COG Operating LLC | <sup>9</sup> Elevation<br>3636            |

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|                                     |                               |                                  |                         |
|-------------------------------------|-------------------------------|----------------------------------|-------------------------|
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|                   | Certificate Number  |  |  |

# COG Operating LLC

Lease & Well # Woolley Federal #1

AP# 30-015-04369

SPUD - 6/4/60

Elevation - 3637'

