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# NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form C-105  
Revised 11-1-80

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|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| 5a. Indicate Type of Lease<br>State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.<br><b>B-5084</b>                                                        |
| 7. Unit Agreement Name<br><b>Old Loco Unit</b>                                                       |
| 8. Form of Lease Name<br><b>Old Loco Unit</b>                                                        |
| 9. Well No.<br><b>20</b>                                                                             |
| 10. Field and Pool, or Wildcat<br><b>G Jackson SR-Q-G-SA</b>                                         |
| 12. County<br><b>Eddy</b>                                                                            |

|                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6. TYPE OF WELL<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <b>MAR 2.6 1980</b>                                                                                |
| 7. TYPE OF COMPLETION<br>NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <b>O. C. D.</b> |
| 8. Name of Operator<br><b>Marbob Energy Corp.</b>                                                                                                                                                                                       |
| Address of Operator<br><b>P.O. Box 304, Artesia, N.M. 88210</b>                                                                                                                                                                         |
| Location of Well                                                                                                                                                                                                                        |

|                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------|
| 11. SECTION LETTER <b>P</b> LOCATED <b>990</b> FEET FROM THE <b>South</b> LINE AND <b>990</b> FEET FROM <b>East</b> |
| LINE OF SEC. <b>32</b> TWP. <b>17S</b> RGE. <b>29E</b> NMPM                                                         |

|                                                                                                                      |                                         |                                                    |                                                             |                                               |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------|
| 13. Date Spudded<br><b>2/13/80</b>                                                                                   | 16. Date T.D. Reached<br><b>2/20/80</b> | 17. Date Compl. (Ready to Prod.)<br><b>3/15/80</b> | 18. Elevations (DF, RKB, RT, GR, etc.)<br><b>3561.5' GR</b> | 19. Elev. Casinghead<br><b>3561.5' GR</b>     |
| 20. Total Depth<br><b>2862'</b>                                                                                      | 21. Plug Back T.D.<br><b>2761</b>       | 22. If Multiple Compl., How Many                   | 23. Intervals Drilled By<br><b>X</b>                        | 24. Was Directional Survey Made<br><b>Yes</b> |
| 24. Producing Interval(s), of this completion - Top, Bottom, Name<br><b>2446-2458, 2560-2749 - Premier, Grayburg</b> |                                         |                                                    |                                                             | 25. Was Well Cored<br><b>No</b>               |
| 26. Type Electric and Other Logs Run<br><b>Gammaaray neutron</b>                                                     |                                         |                                                    |                                                             | 27. Was Well Cored<br><b>No</b>               |

| 28. CASING RECORD (Report all strings set in well) |                |                |               |                                                                    |               |
|----------------------------------------------------|----------------|----------------|---------------|--------------------------------------------------------------------|---------------|
| CASING SIZE                                        | WEIGHT LB./FT. | DEPTH SET      | HOLE SIZE     | CEMENTING RECORD                                                   | AMOUNT PULLED |
| <b>8 5/8"</b>                                      | <b>20#</b>     | <b>296.66'</b> | <b>11"</b>    | <b>150 sax C1. C 2% CC</b>                                         |               |
| <b>4 1/2"</b>                                      | <b>10.50#</b>  | <b>2850'</b>   | <b>7 7/8"</b> | <b>375 sax C1. H, 5/10 of 1% CFR 2, 5# salt, 10# sand per sack</b> |               |

| 29. LINER RECD |     |        |              | 30. TUBING RECORD |               |              |            |
|----------------|-----|--------|--------------|-------------------|---------------|--------------|------------|
| SIZE           | TOP | BOTTOM | SACKS CEMENT | SCREEN            | SIZE          | DEPTH SET    | PACKER SET |
|                |     |        |              |                   | <b>2 3/8"</b> | <b>2770'</b> |            |

| 31. Perforation Record (Interval, size and number)<br><b>2446-2458 - 18 shots</b><br><b>2560-2570 - 20 shots</b><br><b>2694-2749 - 36 shots</b> | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.<br><table border="1"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td><b>2694-2749</b></td> <td><b>40,000 gal gel water, 24,000# 20/40 sand, 11,500# 10/20 sand</b></td> </tr> <tr> <td><b>2560-2570</b></td> <td><b>21,000 gal gel water, 11,500# 20/40 sand, 8,500# 10/20 sand</b></td> </tr> </table> | DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED | <b>2694-2749</b> | <b>40,000 gal gel water, 24,000# 20/40 sand, 11,500# 10/20 sand</b> | <b>2560-2570</b> | <b>21,000 gal gel water, 11,500# 20/40 sand, 8,500# 10/20 sand</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------|------------------|---------------------------------------------------------------------|------------------|--------------------------------------------------------------------|
| DEPTH INTERVAL                                                                                                                                  | AMOUNT AND KIND MATERIAL USED                                                                                                                                                                                                                                                                                                                                                              |                |                               |                  |                                                                     |                  |                                                                    |
| <b>2694-2749</b>                                                                                                                                | <b>40,000 gal gel water, 24,000# 20/40 sand, 11,500# 10/20 sand</b>                                                                                                                                                                                                                                                                                                                        |                |                               |                  |                                                                     |                  |                                                                    |
| <b>2560-2570</b>                                                                                                                                | <b>21,000 gal gel water, 11,500# 20/40 sand, 8,500# 10/20 sand</b>                                                                                                                                                                                                                                                                                                                         |                |                               |                  |                                                                     |                  |                                                                    |

|                                         |                                                                                             |                                                             |                                                                                                    |
|-----------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 33. PRODUCTION <b>2446-2458</b>         |                                                                                             | 21,500 gal gel water, 11,500# 20/40 sand, 8,500# 10/20 sand |                                                                                                    |
| Date First Production<br><b>3/21/80</b> | Production Method (Flowing, gas lift, pumping - Size and type pump)<br><b>Pump - 1 1/2"</b> | Prod.                                                       |                                                                                                    |
| Date of Test<br><b>3/22/80</b>          | Hours Tested<br><b>24</b>                                                                   | Choke Size                                                  | Prod'n. Per Test Period                                                                            |
| Flow Tubing Press.                      | Casing Pressure                                                                             | Calculated 24-Hour Rate                                     | Oil - REL. <b>50</b> Gas - MCF <b>to pipeline</b> Water - Bbl. <b>10</b> Oil Gravity - API (Corr.) |

|                                                                           |                                          |
|---------------------------------------------------------------------------|------------------------------------------|
| 34. Disposition of Gas (Sold, used for fuel, vented, etc.)<br><b>Sold</b> | Test Witnessed By<br><b>John R. Gray</b> |
|---------------------------------------------------------------------------|------------------------------------------|

|                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------|
| 35. List of Attachments<br><b>GRN log, deviation survey</b>                                                                             |
| 36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief. |

|                       |                        |                     |
|-----------------------|------------------------|---------------------|
| SIGNED <b>C. Gray</b> | TITLE <b>Secretary</b> | DATE <b>3/25/80</b> |
|-----------------------|------------------------|---------------------|

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### INSTRUCTION

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| From | To   | Thickness<br>in feet | Formation                        |
|------|------|----------------------|----------------------------------|
| 0    | 25   | 25                   | Caliche                          |
| 25   | 70   | 45                   | Red bed & gyp                    |
| 70   | 230  | 160                  | Gyp, anhydrite                   |
| 230  | 550  | 320                  | Salta                            |
| 550  | 1100 | 550                  | Salt, anhydrite                  |
| 1100 | 1875 | 775                  | Anhydrite, lime                  |
| 1875 | 1900 | 25                   | Anhydrite, red shale             |
| 1900 | 1920 | 20                   | Anhydrite, red shale             |
| 1920 | 1950 | 30                   | Dolomite                         |
| 1950 | 1970 | 20                   | Dolomite, shale                  |
| 1970 | 1990 | 20                   | Dolomite, shale, sand            |
| 1990 | 2000 | 10                   | Dolomite, shale, red sand        |
| 2000 | 2020 | 20                   | Dolomite, sand                   |
| 2020 | 2050 | 30                   | Dolomite, shale, sand            |
| 2050 | 2060 | 10                   | Dolomite, shale, red sand        |
| 2060 | 2090 | 30                   | Dolomite, shale, sand            |
| 2090 | 2220 | 130                  | Dolomite, sand                   |
| 2220 | 2250 | 30                   | Dolomite, sand, shale            |
| 2250 | 2300 | 50                   | Dolomite, sand                   |
| 2300 | 2350 | 50                   | Dolomite, sand, shale            |
| 2350 | 2400 | 50                   | Dolomite, sand, shale, anhydrite |
| 2400 | 2410 | 10                   | Anhydrite, dolomite, sand        |
| 2410 | 2450 | 40                   | Anhydrite, dolomite              |
| 2450 | 2590 | 140                  | Anhydrite, sand                  |
| 2590 | 2610 | 20                   | Anhydrite                        |
| 2610 | 2620 | 10                   | Anhydrite, sand                  |
| 2620 | 2630 | 10                   | Anhydrite                        |
| 2630 | 2650 | 20                   | Anhydrite, sand                  |
| 2650 | 2730 | 80                   | Anhydrite                        |
| 2730 | 2760 | 30                   | Anhydrite, sand                  |
| 2760 | 2770 | 10                   | Anhydrite, sand, shale           |
| 2770 | 2780 | 10                   | Anhydrite, sand                  |
| 2780 | 2810 | 30                   | Anhydrite                        |
| 2810 | 2862 | 52                   | Anhydrite, dolomite              |
| 2862 |      |                      | TD                               |
| 2852 |      |                      | PBTD                             |

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MAR 26 1980

O. C. D.  
ARTESIA, OFFICE



WM. N. MORGAN  
Off. Ph.: 505-748-2194  
Home Ph.: 505-748-2325  
P. O. Drawer 1  
Artesia, N.M. 88210

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MAR 26 1980

February 26, 1980

O. C. D.  
ARTESIA, OFFICE

Marbob Energy Corp.  
P.O. Box 304  
Artesia, New Mexico 88210

Re: Old Loco Unit #20 ✓  
Sec 32 Twn17S Rge29E  
990/S 990/E Unit P  
Eddy County, New Mexico

Gentlemen:

The following is a Deviation Survey of the  
above well:

330' - 1/4 degree  
727' - 1/2 degree  
1261' - 3/4 degree  
1735' - 1 degree  
2111' - 1 1/4 degree  
2398' - 1 1/2 degree  
2862' - 1 3/4 degree

Yours truly,

*William N. Morgan*

William N. Morgan  
Alta-West Drlg., Inc.

STATE OF NEW MEXICO)  
COUNTY OF EDDY )

The foregoing was acknowledged before me this 26th day  
of February, 1980, by William N. Morgan.

My Commission Expires:

Notary Public