

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

|                        |  |
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| OPERATOR               |  |

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| 5a. Indicate Type of Lease<br>State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.<br>3709                                                                 |

|                                                                                                                                                                                                                                                   |                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| 1a. TYPE OF WELL<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>                                                                                    | 7. Unit Agreement Name                     |
| 1b. 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 <input type="checkbox"/> | 8. Farm or Lease Name<br>Maralo "16" State |

|                                     |                  |
|-------------------------------------|------------------|
| 2. Name of Operator<br>Maralo, Inc. | 9. Well No.<br>1 |
|-------------------------------------|------------------|

|                                                               |                                                       |
|---------------------------------------------------------------|-------------------------------------------------------|
| 3. Address of Operator<br>P. O. Box 832, Midland, Texas 79702 | 10. Field and Pool, or Wildcat<br>Comanche State Line |
|---------------------------------------------------------------|-------------------------------------------------------|

|                                                                                                                                                                                                                                 |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 4. Location of Well<br>UNIT LETTER <u>D</u> LOCATED <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM <u>West</u><br>THE <u>West</u> LINE OF SEC. <u>16</u> TWP. <u>26-S</u> RGE. <u>36-E</u> NMPM <u>Lea</u> | 11. County<br>Lea |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

|                              |                                  |                                              |                                                   |                               |
|------------------------------|----------------------------------|----------------------------------------------|---------------------------------------------------|-------------------------------|
| 15. Date Spudded<br>11-21-79 | 16. Date T.D. Reached<br>12-7-79 | 17. Date Compl. (Ready to Prod.)<br>12-15-79 | 18. Elevations (DE, RKB, RT, GR, etc.)<br>2968 KB | 19. Elev. Casinghead<br>2952' |
|------------------------------|----------------------------------|----------------------------------------------|---------------------------------------------------|-------------------------------|

|                          |                             |                                         |                                                               |
|--------------------------|-----------------------------|-----------------------------------------|---------------------------------------------------------------|
| 20. Total Depth<br>3800' | 21. Plug Back T.D.<br>3752' | 22. If Multiple Compl., How Many<br>N/A | 23. Intervals Drilled By<br>Rotary Tools <u>X</u> Cable Tools |
|--------------------------|-----------------------------|-----------------------------------------|---------------------------------------------------------------|

|                                                                                                  |                                       |
|--------------------------------------------------------------------------------------------------|---------------------------------------|
| 24. Producing Interval(s), of this completion - Top, Bottom, Name<br>3700' - 3323' Tansill Yates | 25. Was Directional Survey Made<br>No |
|--------------------------------------------------------------------------------------------------|---------------------------------------|

|                                                                               |                           |
|-------------------------------------------------------------------------------|---------------------------|
| 26. Type Electric and Other Logs Run<br>Compensated Neutron Formation Density | 27. Was Well Cored<br>Yes |
|-------------------------------------------------------------------------------|---------------------------|

| 28. CASING RECORD (Report all strings set in well) |                |           |           |                  |               |
|----------------------------------------------------|----------------|-----------|-----------|------------------|---------------|
| CASING SIZE                                        | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
| 8 5/8"                                             | 24#            | 1369'     | 11"       | *                | none          |
| 5 1/2"                                             | 15.50#         | 3800'     | 7 7/8"    | **               | none          |

| 29. LINER RECORD |     |        |              |        | 30. TUBING RECORD |           |            |
|------------------|-----|--------|--------------|--------|-------------------|-----------|------------|
| SIZE             | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE              | DEPTH SET | PACKER SET |
|                  |     |        |              |        | 2 7/8"            | 3189'     | 3189'      |

| 31. Perforation Record (Interval, size and number) 1 shot per foot as follows: 3323', 3328', 3330', 3335', 3337', 3345', 3440', 3442', 3467', 3473', 3475', 3487', 3490', 3502', 3508', 3542', 3547', 3635', 3655', 3661', 3668', 3693', 3700'. Total of 23 holes. | 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>3700-3200'</td><td>500 gal. 15% MCA acid</td></tr><tr><td>3700-3635'</td><td>100 gal. 15% MCA acid</td></tr><tr><td>3700-3323'</td><td>2000 gal. 15% mud cleanup acid w/4 RCN ball sealers</td></tr></table> | DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED | 3700-3200' | 500 gal. 15% MCA acid | 3700-3635' | 100 gal. 15% MCA acid | 3700-3323' | 2000 gal. 15% mud cleanup acid w/4 RCN ball sealers |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------|------------|-----------------------|------------|-----------------------|------------|-----------------------------------------------------|
| DEPTH INTERVAL                                                                                                                                                                                                                                                     | AMOUNT AND KIND MATERIAL USED                                                                                                                                                                                                                                                                                                                                  |                |                               |            |                       |            |                       |            |                                                     |
| 3700-3200'                                                                                                                                                                                                                                                         | 500 gal. 15% MCA acid                                                                                                                                                                                                                                                                                                                                          |                |                               |            |                       |            |                       |            |                                                     |
| 3700-3635'                                                                                                                                                                                                                                                         | 100 gal. 15% MCA acid                                                                                                                                                                                                                                                                                                                                          |                |                               |            |                       |            |                       |            |                                                     |
| 3700-3323'                                                                                                                                                                                                                                                         | 2000 gal. 15% mud cleanup acid w/4 RCN ball sealers                                                                                                                                                                                                                                                                                                            |                |                               |            |                       |            |                       |            |                                                     |

| 33. PRODUCTION                    |                           |                                                                                |                                              |                  |                    |                                           |  |
|-----------------------------------|---------------------------|--------------------------------------------------------------------------------|----------------------------------------------|------------------|--------------------|-------------------------------------------|--|
| Date First Production<br>12-15-79 |                           | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Flowing |                                              |                  |                    | Well Status (Prod. or Shut-in)<br>Shut-in |  |
| Date of Test<br>12-18-79          | Hours Tested<br>24        | Choke Size<br>24/64"                                                           | Prod'n. Per Test Period<br>Oil - Pbl.<br>377 | Gas - MCF<br>340 | Water - Pbl.<br>21 | Gas - Oil Ratio<br>902                    |  |
| Flow Tubing Press.<br>200#        | Casing Pressure<br>Packer | Calculated 24-Hour Rate<br>377                                                 | Oil - Pbl.<br>377                            | Gas - MCF<br>340 | Water - Pbl.<br>21 | Oil Gravity - API (Corr.)<br>28.9         |  |

|                                                                      |                                |
|----------------------------------------------------------------------|--------------------------------|
| 34. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>Vented | Test Witnessed by<br>Bill Hunt |
|----------------------------------------------------------------------|--------------------------------|

|                                |
|--------------------------------|
| 35. List of Attachments<br>Log |
|--------------------------------|

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 James Davis TITLE Production Clerk DATE 12-26-79

\* 500 sx Class "C" 4% - 1/4#/sack flocele; 300 sx ( ss "C" 2% CaCl<sub>2</sub> 1/4#/sack flocele.

\*\* 550 sx 50/50 PozMix w/2% Gel + 1/4# flocele + 3# salt.

# INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

## Southeastern New Mexico

## Northwestern New Mexico

|                    |       |                  |                       |                  |
|--------------------|-------|------------------|-----------------------|------------------|
| T. Anhy            | 2200' | T. Canyon        | T. Ojo Alamo          | T. Penn. "B"     |
| T. Salt            | 2428' | T. Strawn        | T. Kirtland-Fruitland | T. Penn. "C"     |
| T. Tansill         | 3258' | T. Atoka         | T. Pictured Cliffs    | T. Penn. "D"     |
| T. Yates           | 3466' | T. Miss          | T. Cliff House        | T. Leadville     |
| T. 7 Rivers        | 3514' | T. Devonian      | T. Menefee            | T. Madison       |
| T. Queen           |       | T. Silurian      | T. Point Lookout      | T. Elbert        |
| T. Grayburg        |       | T. Montoya       | T. Mancos             | T. McCracken     |
| T. San Andres      |       | T. Simpson       | T. Gallup             | T. Ignacio Qizte |
| T. Glorieta        |       | T. McKee         | Base Greenhorn        | T. Granite       |
| T. Paddock         |       | T. Ellenburger   | T. Dakota             | T.               |
| T. Blinebry        |       | T. Gr. Wash      | T. Morrison           | T.               |
| T. Tubb            |       | T. Granite       | T. Todilto            | T.               |
| T. Drinkard        |       | T. Delaware Sand | T. Entrada            | T.               |
| T. Abo             |       | T. Bone Springs  | T. Wingate            | T.               |
| T. Wolfcamp        |       | T.               | T. Chinle             | T.               |
| T. Penn.           |       | T.               | T. Permian            | T.               |
| T. Cisco (Bough C) |       | T.               | T. Penn. "A"          | T.               |

## OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....  
 No. 2, from.....to.....  
 No. 3, from.....to.....  
 No. 4, from.....to.....  
 No. 5, from.....to.....  
 No. 6, from.....to.....

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.  
 No. 2, from.....to.....feet.  
 No. 3, from.....to.....feet.  
 No. 4, from.....to.....feet.

## FORMATION RECORD (Attach additional sheets if necessary)

| From  | To    | Thickness<br>in Feet | Formation               | From | To | Thickness<br>in Feet | Formation |
|-------|-------|----------------------|-------------------------|------|----|----------------------|-----------|
| 0'    | 1600' | 1600                 | Sand & Red Silk Stone   |      |    |                      |           |
| 1600' | 2200' | 600                  | Red Shale, Sand & Anhy. |      |    |                      |           |
| 2200' | 2300' | 100                  | Anhy.                   |      |    |                      |           |
| 2300' | 2900' | 600                  | Anhy, Salt & Shale      |      |    |                      |           |
| 2900' | 3050' | 150                  | Dolomite                |      |    |                      |           |
| 3050' | 3150' | 100                  | Salt                    |      |    |                      |           |
| 3150' | 3258' | 108                  | Dolomite                |      |    |                      |           |
| 3258' | 3466' | 208                  | Dolomite & Sand         |      |    |                      |           |
| 3466' | 3514' | 48                   | Sand                    |      |    |                      |           |
| 3514' | 3630' | 116                  | Dolomite                |      |    |                      |           |
| 3630' | 3800' | 170                  | Dolomite & Sand         |      |    |                      |           |

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