

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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structions on  
reverse side)

BLM Roswell District  
Modified Form No.  
NM60-3160-3

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

|                                                                                                                                                                                                                                |                                              |                                                                                  |                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------|
| 1a. TYPE OF WELL:<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____                                                                                   |                                              | 3a. Area Code & Phone No.<br>505/677-2360                                        |                                       |
| b. TYPE OF COMPLETION:<br>NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REVR. <input type="checkbox"/> Other _____ |                                              | RECEIVED                                                                         |                                       |
| 2. NAME OF OPERATOR<br>Socorro Petroleum Company AVON ENERGY                                                                                                                                                                   |                                              | JAN 18 '91                                                                       |                                       |
| 3. ADDRESS OF OPERATOR<br>P.O. Box 38, Loco Hills, NM 82855                                                                                                                                                                    |                                              | C. C. D. OFFICE                                                                  |                                       |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface 2545' FSL & 2615' FEL<br>At top prod. interval reported below<br>At total depth                                     |                                              | 11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA<br>29-17S-31E                   |                                       |
| 9a. API Well No.<br>30-015-26389                                                                                                                                                                                               | 14. PERMIT NO.                               | DATE ISSUED                                                                      | 12. COUNTY OR PARISH<br>Eddy          |
| 13. STATE<br>NM                                                                                                                                                                                                                | 15. DATE SPUNDED<br>11-8-90                  |                                                                                  |                                       |
| 16. DATE T.D. REACHED<br>11/16/90                                                                                                                                                                                              | 17. DATE COMPL. (Ready to prod.)<br>11/23/90 | 18. ELEVATION (OF RKR, RT, GR, ETC.)*<br>3745' GR                                | 19. ELEV. CASINGHEAD                  |
| 20. TOTAL DEPTH, MD & TVD<br>3700'                                                                                                                                                                                             | 21. PLUG BACK T.D., MD & TVD<br>3645'        | 22. IF MULTIPLE COMPL., HOW MANY*                                                | 23. INTERVAL DRILLED BY<br>ALL        |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*<br>3230' 3628' Grayburg                                                                                                                         |                                              |                                                                                  | 25. WAS DIRECTIONAL SURVEY MADE<br>No |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>LDT/CNL, DLL/RXO, AMS                                                                                                                                                                  |                                              |                                                                                  | 27. WAS WELL CORED<br>No              |
| 29. CASING RECORD (Report all strings set in well)                                                                                                                                                                             |                                              |                                                                                  |                                       |
| CASING SIZE                                                                                                                                                                                                                    | WEIGHT, LB./FT.                              | DEPTH SET (MD)                                                                   | HOLE SIZE                             |
| 8-5/8"                                                                                                                                                                                                                         | 24                                           | 600'                                                                             | 12-1/4"                               |
| 5-1/2"                                                                                                                                                                                                                         | 17                                           | 3698'                                                                            | 7-7/8"                                |
|                                                                                                                                                                                                                                |                                              | CEMENTING RECORD                                                                 |                                       |
|                                                                                                                                                                                                                                |                                              | AMOUNT PULLED                                                                    |                                       |
|                                                                                                                                                                                                                                |                                              | None                                                                             |                                       |
|                                                                                                                                                                                                                                |                                              | 500 sx. LW + 650 sx. CL. "C" None                                                |                                       |
| 29. LINER RECORD                                                                                                                                                                                                               |                                              |                                                                                  |                                       |
| SIZE                                                                                                                                                                                                                           | TOP (MD)                                     | BOTTOM (MD)                                                                      | SACKS CEMENT*                         |
|                                                                                                                                                                                                                                |                                              |                                                                                  |                                       |
| 30. TUBING RECORD                                                                                                                                                                                                              |                                              |                                                                                  |                                       |
| SIZE                                                                                                                                                                                                                           | DEPTH SET (MD)                               | PACKER SET (MD)                                                                  |                                       |
| 2-7/8"                                                                                                                                                                                                                         | 3541'                                        | None                                                                             |                                       |
| 31. PERFORATION RECORD (Interval, size and number)                                                                                                                                                                             |                                              |                                                                                  |                                       |
| 3572'-3628' 7 holes                                                                                                                                                                                                            |                                              |                                                                                  |                                       |
| 3467'-3518' 8 holes                                                                                                                                                                                                            |                                              |                                                                                  |                                       |
| 3350'-3413' 4 holes 22 15/32" holes                                                                                                                                                                                            |                                              |                                                                                  |                                       |
| 3251' 1 hole                                                                                                                                                                                                                   |                                              |                                                                                  |                                       |
| 3230'-3243' 2 holes                                                                                                                                                                                                            |                                              |                                                                                  |                                       |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                                                 |                                              |                                                                                  |                                       |
| DEPTH INTERVAL (MD)                                                                                                                                                                                                            |                                              | AMOUNT AND KIND OF MATERIAL USED                                                 |                                       |
| 3230'-3628'                                                                                                                                                                                                                    |                                              | Acidize w/4000 gal. 15% NeFe                                                     |                                       |
|                                                                                                                                                                                                                                |                                              | Frac w/80,000 gal. x-link                                                        |                                       |
|                                                                                                                                                                                                                                |                                              | gelled wtr. carrying 130,000#                                                    |                                       |
|                                                                                                                                                                                                                                |                                              | 20/40 sand & 40,000# 12/20 sand.                                                 |                                       |
| 33. PRODUCTION                                                                                                                                                                                                                 |                                              |                                                                                  |                                       |
| DATE FIRST PRODUCTION<br>11/23/90                                                                                                                                                                                              |                                              | PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)<br>Flowing |                                       |
| WELL STATUS (Producing or shut-in)<br>Producing                                                                                                                                                                                |                                              |                                                                                  |                                       |
| DATE OF TEST<br>11/25/90                                                                                                                                                                                                       | HOURS TESTED<br>24                           | CHOKE SIZE<br>20/64"                                                             | PROD'N. FOR TEST PERIOD               |
| FLOW TUBING PRESS.<br>160#                                                                                                                                                                                                     | CASING PRESSURE<br>160#                      | CALCULATED 24-HOUR RATE<br>278                                                   | OIL--BBL.<br>278                      |
| GAS--MCF.<br>200                                                                                                                                                                                                               |                                              | WATER--BBL.<br>208                                                               | GAS-OIL RATIO<br>718                  |
| OIL GRAVITY-API (CORR.)<br>37.9                                                                                                                                                                                                |                                              |                                                                                  |                                       |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>Sold                                                                                                                                                             |                                              |                                                                                  |                                       |
| TEST WITNESSED BY<br>Robert Setzler                                                                                                                                                                                            |                                              |                                                                                  |                                       |
| 35. LIST OF ATTACHMENTS<br>Logs, deviation survey                                                                                                                                                                              |                                              |                                                                                  |                                       |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                                                                                              |                                              |                                                                                  |                                       |
| SIGNED<br>Robert Setzler                                                                                                                                                                                                       |                                              | TITLE<br>Consultant                                                              |                                       |
| DATE<br>12/10/90                                                                                                                                                                                                               |                                              |                                                                                  |                                       |

(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (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                                               | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NAME | TOP         |                  |
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 |      | MEAS. DEPTH | TRUE VERT. DEPTH |
| Loco Hills<br>Metex<br>Square Lake<br>Premier<br>Vacuum | 3174 | 3243   | Interval capable of producing oil & gas<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<b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38. GEOLOGIC MARKERS