



INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 33.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Seals Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

| 37. SUMMARY OF POROUS ZONES:<br>SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORDED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING<br>DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES |      |        | 38. GEOLOGIC MARKERS |             |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|----------------------|-------------|------------------|
| FORMATION                                                                                                                                                                                                                                              | TOP  | BOTTOM | NAME                 | MEAS. DEPTH | TRUE VERT. DEPTH |
| Ojo Alamo                                                                                                                                                                                                                                              | 1601 | 1406   |                      |             |                  |
| Fruitland                                                                                                                                                                                                                                              | 2010 | 2428   |                      |             |                  |
| Pictured Cliffs                                                                                                                                                                                                                                        | 2428 | 2500   |                      |             |                  |
| Chacra                                                                                                                                                                                                                                                 | 3342 | 3420   |                      |             |                  |
| Cliffhouse                                                                                                                                                                                                                                             | 3908 | 4079   |                      |             |                  |
| Menefee                                                                                                                                                                                                                                                | 4079 | 4558   |                      |             |                  |
| Point Lookout                                                                                                                                                                                                                                          | 4860 | 5110   |                      |             |                  |
| Gallup                                                                                                                                                                                                                                                 | 6040 | 6334   |                      |             |                  |
| Dakota                                                                                                                                                                                                                                                 | 6897 | TD     |                      |             |                  |

8 5/8" Casing was cemented with 300 sx of class "B" neat cement containing a 2% CaCl<sub>2</sub>. Good cement was circulated to the surface. Drilled a 7-7/8" hole to a TD of 7158'. Set 4-1/2" 10.5# production casing at 7156', on 12-16-81, and cemented in two stages.

- 1) Used 360 sx of Class "B" neat cement containing 50:50 POZ, 6% gel, 2# medium tuf plug per sack, and .8% fluid loss additive. This was tailed in with 100 sx of class "B" neat cement.
- 2) Used 1480 sx of Class "B" neat cement containing 65:35 POZ, 6% gel, 2# medium tuf plug per sack, and .8% fluid loss additive. This was tailed in with 100 sx of class "B" neat cement. Circulated 20 sx of cement to the surface.

