Form 9-330
(Rev. 5-63)

C/SF

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED
APR 22 1981
O. C. D.
ARTESIA, OFFICE

ACCEPTED FOR RECORD
PETER W. CHESTER
APR 21 1981
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

5. LEASE DESIGNATION AND SERIAL NO.: LC 058581

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Ballard Grayburg San Andres Unit

8. FARM OR LEASE NAME: Tract No. 10

9. WELL NO.: 6

10. FIELD AND POOL, OR WILDCAT: Loco Hills-Queen-Grayburg-San Andres

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: 4 - 18S - 29E

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

2. NAME OF OPERATOR: Anadarko Production Company

3. ADDRESS OF OPERATOR: P. O. Box 67, Loco Hills, New Mexico 88255

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 2050' FNL & 560' FWL Sec. 4, T18S, R29E Eddy County, New Mexico
At top prod. interval reported below: Same
At total depth: Same

12. COUNTY OR PARISH: Eddy

13. STATE: New Mexico

14. PERMIT NO.

DATE ISSUED

| 15. DATE SPUDDED | 16. DATE T.D. REACHED | 17. DATE COMPL. (*Ready to prod.*) | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* | 19. ELEV. CASINGHEAD |
|---|---|---|---|---|
| 3-5-81 | 3-10-81 | 3-31-81 | 3534.2 GL | 3535' |

| 20. TOTAL DEPTH, MD & TVD | 21. PLUG, BACK T.D., MD & TVD | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY | ROTARY TOOLS | CABLE TOOLS |
|---|---|---|---|---|---|
| 2850' | 2844' | | → | X | |

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Grayburg: Metex - 2592' - 2708'; Premier - 2732' 2805'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR/Comp Neutron-Fm Density & Dual Laterolog-Micro Laterolog

27. WAS WELL CORED: No

28. CASING RECORD (*Report all strings set in well*)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---|---|---|---|---|---|
| 8-5/8" | 24.0# | 380' KB | 12-1/4" | 200 sx + Redimix/Surface | None |
| 4-1/2" | 10.5# | 2847' KB | 7-7/8" | 750 Circulated to Surface | None |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|---|---|---|---|---|
| | | | | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|---|---|---|
| | | |

31. PERFORATION RECORD (*Interval, size and number*)
Metex: 2592-2605,2616-23,2636-41,2672-76 & 2702-08 - .40" Diam. @ 1 SPF (35holes)
Premier: 2732-39,2754-62,2773-79,2783-91 & 2796-2805 - .40"Diam @ 1 SPF (38 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---|---|
| 2592' - 2805' | Acidized-2500 gals 15%NEacid,100BS |
| 2592' - 2805' | Fraced-90,000 Gals X-link gel, 10,000 gals 30# gel,64,000# 100 m sd,130,000#20/40 sd, 48,000# 10/20 sd & 200# Gypban |

33.* PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*) | WELL STATUS (*Producing or shut-in*) |
|---|---|---|
| 4-4-81 | Flowing | Producing |

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD → | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
|---|---|---|---|---|---|---|---|
| 4-11-81 | 24 hours | 25/64" | | 107 | 7.3 | 176 | 68:1 |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE → | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---|---|---|---|---|---|---|
| | 150# | | 107 | 7.3 | 176 | 37.4 corr. |

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)
Sold

TEST WITNESSED BY: Frank Waters

APR 20 1981

35. LIST OF ATTACHMENTS
Copies of all logs, Deviation Survey.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Jerry E. Buckles TITLE Area Supervisor DATE April 15, 1981

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

# 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 35.

**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:** *"Sacks 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:
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. |
|---|---|---|---|
| | 0 | 320 | Redbed |
| | 320 | 800 | Salt |
| | 800 | 900 | Anhydrite |
| | 900 | 2390 | Anhydrite & Sand |
| | 2390 | 2810 | Sand |
| | 2810 | 2850 | Lime |

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ARTESIA, NEW MEXICO

38. GEOLOGIC MARKERS

| NAME | TOP MEAS. DEPTH | TOP TRUE VERT. DEPTH |
|---|---|---|
| T. Salt | 320 | |
| B. Salt | 800 | 480 |
| Yates | 900 | |
| 7-Rivers | 1300 | |
| Queen | 1970 | |
| Grayburg | 2390 | |
| San Andres | 2810 | |

Oil or Gas Sands or Zones

T. 2590 B. 2810

Water Zones - None

*GPO 782-929

N.M.O.C.D. COPY

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

c/SF

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well [X] gas well [ ] other

2. NAME OF OPERATOR
Anadarko Production Company

3. ADDRESS OF OPERATOR
P. O. Box 67, Loco Hills, New Mexico 88255

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2050' FNL & 560' FWL, Sec. 4, T18S, R29E
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. LEASE
L C 058581 (Fee Surface)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Ballard Grayburg San Andres Unit

8. FARM OR LEASE NAME
Tract No. 10

9. WELL NO.
6

10. FIELD OR WILDCAT NAME
Loco Hills-Queen-Grayburg-San Andres

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
4 - 18S - 29E

12. COUNTY OR PARISH: Eddy
13. STATE: New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3534.2 GL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| REQUEST FOR APPROVAL TO: | | SUBSEQUENT REPORT OF: | |
|---|---|---|---|
| TEST WATER SHUT-OFF | [ ] | | [ ] |
| FRACTURE TREAT | [ ] | | [XX] |
| SHOOT OR ACIDIZE | [ ] | | [XX] |
| REPAIR WELL | [ ] | | [ ] |
| PULL OR ALTER CASING | [ ] | | [ ] |
| MULTIPLE COMPLETE | [ ] | | [ ] |
| CHANGE ZONES | [ ] | | [ ] |
| ABANDON* | [ ] | | [ ] |
| (other) Perforate | | | [XX] |

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Perforated Metex: 2592-2605, 2616-23, 2636-41, 2672-76 & 2702-08 @ 1 SPF.
   Perforated Premier: 2732-39, 2754-62, 2773-79, 2783-91 & 2796-2805 @ 1 SPF.
2. Acidized all Grayburg perfs 2592-2805 w/2500 gals 15% NE acid & 100 Ball Sealers.
3. Fraced all Grayburg perfs 2592-2805 w/1500 gals 15% NE acid, 90,000 gals X-linked gel, 10,000 gals 30# gel, 64,000# 100 mesh sand, 130,000# 20/40 sand, 48,000# 10/20 sand & 200# Gypban. AR&P = 27.4 BPM @ 2100#. ISDP = 1700#.
4. Shut well in for four days.
5. Hooked up well to flow.
6. 4-4-81 - Well flowed 15 BO (first oil production).
7. 4-8-81 - Well flowed 200 BO.
8. 4-14-81 - Well flowed 83 BO.

Note: Will run tubing, downhole pump & rods and place well on pump as soon as well quits flowing.
Will file appropriate forms after well is placed on pump.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Jerry E. Buckles TITLE Area Supervisor DATE April 14, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD
PETER W. CHESTER
APR 21 1981
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

RECEIVED
APR 22 1981
O. C. D.
ARTESIA, NEW MEXICO

APR 30 1981

*See Instructions on Reverse Side