

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

NM-0354427-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Amoco Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Cato-San Andres

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 1, T- 8S, R-30E

12. COUNTY OR PARISH

Chaves

13. STATE

N. M.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

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. RESER. [] OTHER []

NOV 8 1977

2. NAME OF OPERATOR: Harvey E. Yates Company

U.S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO

3. ADDRESS OF OPERATOR: P. O. Box 1933, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements): At surface 1980' FNL & 1980' FEL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. DATE ISSUED

15. DATE SPUNDED 9-23-77 16. DATE T.D. REACHED 10-1-77 17. DATE COMPL. (Ready to prod.) 10-14-77 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4192' GL

20. TOTAL DEPTH, MD & TVD 3770' KB 21. PLUG BACK T.D., MD & TVD 3742' KB 22. IF MULTIPLE COMPLET. HOW MANY* Single

24. PRODUCING INTERVAL(S) OF THIS COMPLETION- TOP, BOTTOM, NAME (MD AND TVD)* San Andres 3532' - 3672'

26. TYPE ELECTRIC AND OTHER LOGS RUN SNP-GR, DLL-RXO, GRN

27. WAS WELL CORED No

Table with 6 columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Includes data for 8 5/8" and 4 1/2" casings.

Table with 6 columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD). Includes data for 2 3/8" tubing.

Table with 2 columns: PERFORATION RECORD (Interval, size and number) and ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Includes data for 6, 12, and 5 holes.

33. PRODUCTION Gal Water Frac 30

DATE FIRST PRODUCTION 10-22-77 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Pumping(2" X 1 1/2" X 12' Insert) WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 10-22-77 HOURS TESTED 24 CHOKER SIZE 2" PROB. N. FOR TEST PERIOD 10 OIL - BBL. TSTM GAS - MCF. TSTM WATER - BBL. 20 GAS-OIL RATIO TSTM

FLOW. TUBING PRESS. 0 CASING PRESSURE 0 CALCULATED 24-HOUR RATE 10 OIL - BBL. TSTM GAS - MCF. TSTM WATER - BBL. 20 OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY Peck Hardee

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records SIGNED Peck Hardee TITLE Engineer DATE 11-3-77

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: "Stages 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.)

FORMATION	DEPTH		DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
	TOP	BOTTOM		NAME	MEAS. DEPTH
Rustler	1200'	1234'			
Salt	1234'	1672'			
Yates	1672'	1844'			
Seven Rivers	1844'	2163'			
Bowers	2163'	2336'			
San Andres	2805'	3770' TD			

RECEIVED
 NOV 9 1977
 O. C. C.
 ARTS. OFFICE
 U.S. CONSERVATION COMM.
 HOBBS, N. M.