

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

1a. TYPE OF WELL: OIL WELL  GAS WELL  DEEP  Other

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RES.  Other

2. NAME OF OPERATOR  
Harvey E. Yates Company, Inc.

3. ADDRESS OF OPERATOR  
1000 Security National Bank Bldg., Roswell, N.M. 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1080' FNL & 660' FEL  
At top prod. interval reported below Same  
At total depth Same

5. LEASE DESIGNATION AND SERIAL NO.  
M-0354427-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Amoco Federal

9. WELL NO.  
1

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.

15. DATE SET DOWN 5-29-77 16. DATE LOG REACHED 6-5-77 17. DATE LOG LAST (held to prod) 6-7-77 18. PLUGBACKS (DEP. FNL, RE. GR. ETC.) 4215.2' GL

20. TOTAL DEPTH, MEAS. LWD 3800' KB 21. PLUG BACK L.D. MEAS. LWD 3770' KB 22. TYPE OF LOGS USED Single 23. INTERVALS (LWD) 0-3800'

24. PRODUCING INTERVALS (LWD) (This completion interval is the interval between the top and bottom of the producing interval)  
San Andres 3561' - 3762'

19. ELEV. CASINGHEAD

25. WAS DIRECTIONAL SURVEY MADE  
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Gamma Ray, Sidewall Neutron Porosity, Dual Laterolog

27. WAS WELL LOGGED  
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"	20#	277'	12 1/4"	125 Sx Class C 2% CaCl	Circ. 15 Sx	
4 1/2"	9.5#	3800'	7 7/8"	275 Sx Class C 50-50 Po		

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SAFETY CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	3771' KB	

31. PERFORATION RECORD (Interval, size and number)  
3734, 3735 1/2, 3748, 3754 1/2, 3759 1/2, 3761, 3762, 7 shots  
3623 1/2, 3629, 3638 1/2, 3644, 3650 1/2, 3656, 3683, 3689 1/2, 3694, 3696 - 10 shots  
3561, 3565, 3571 1/2 - 3 shots

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3683 - 3696	250 Gals 15% BDA
3621 - 3656	250 Gals 15% BDA
3561 - 3571 1/2	250 Gals 15% BDA
3561 - 3762	6000 Gals 20% HCL acid

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)		
6-30-77		Pumping			Producing		
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-16-77	2 1/2 Hrs		→	25	TSTM	5	Load and acid water on swab test
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→	Est. 80	TSTM			

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

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 \_\_\_\_\_ TITLE Vice President DATE July 1, 1977

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