

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE  
(See instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

5. LEASE DESIGNATION AND SERIAL NO.

LC-064194

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Union Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

~~UNDEVELOPED~~

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

Sec. 9, T20S, R34E

12. COUNTY OR PARISH  
Lea

13. STATE  
NM

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

2. NAME OF OPERATOR  
Estoril Producing Corporation

3. ADDRESS OF OPERATOR  
Suite 1120 Vaughn Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1980' FSL & 1980' FEL  
At top prod. interval reported below same as above  
At total depth same as above

14. PERMIT NO. DATE ISSUED  
copy attached 3-12-79

15. DATE SPUDDED 3-24-79 16. DATE T.D. REACHED 5-29-79 17. DATE COMPL. (Ready to prod.) 6-29-79 18. ELEVATIONS (DF, R&B, RT, GR, ETC.)\* 3636.5 GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 13,600 21. PLUG, BACK T.D., MD & TVD 13,559 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY → ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
13,326'-13,461' Morrow  
25. WAS DIRECTIONAL SURVEY MADE  
RECEIVED JUL 11 1979

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Dipmeter, Compensated Densilog Compensated Neutron, Dual Date LOG  
27. WAS WELL CORRECTED  
U.S. GEOLOGICAL SURVEY  
HOBBS, NEW MEXICO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.50#	853	17-1/2"	725 sx A-2 & A-7 CCL	
9-5/8"	36 & 40#	5215	12-1/4"	1300 sx BJ lite & 2%	Cl.C
5-1/2"	17 & 20#	13,600	8-3/4"	1510 sx BJ lite & Cl.	H

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	13,163'	13,129'

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL (MD)	SIZE	AMOUNT AND KIND OF MATERIAL USED
13,326-13,332	1-.41 wes jet mangum/ft	
13,454-13,461	1-.41 wes jet mangum/ft	
13,326-13,461		1500 gals 10% dolo wash & 1000 SCF nitrogen per 1000 gals

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
6-29-79	flowing	SI					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-26-79	8	various	→	21.6	1.4M	-0-	6481:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
600-2190	pkc	→	64.8	4736	-0-	51 at 60°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY  
Bob Yeates

35. LIST OF ATTACHMENTS  
Form 9-331, Inclination report, electric logs  
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED J. L. M. Allison TITLE President DATE July 9, 1979

# 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 POROSITY 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	HEAD DEPTH	TRUE VERT. DEPTH
Brushy Canyon	7590	7660	DST #1: 15 min pre flow, 1 hr ISI, 120 min FF. GMS in 32 mins; 17.2 MCF inc. to 21.9 MCF & dec. to 18.8 MCF in 45 mins. Rec. 840' total fld, 180' free oil, 660' wtr. Top oil 40 gravity. IFP 105# FTP 127# (15 mins) IHP 3358# ISIP 3150# (60 mins) IFFP 127# FFP 316# (120 mins) FSIP 3025# (120 mins) FHP 3358#	T. Anhy Yates T. 7 Rivers T. Wolfcamp T. Strawn T. Atoka T. Morrow T. Barnett	1566 1336 2692 11,036 12,230 12,526 12,710 13,522	

FOR OTHER TESTS PLEASE SEE ATTACHED SHEET.