

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

**N. M. G. S. FORM 1
SUBMIT IN DUPLICATE***

(See instructions on reverse side)

Form approved.
Budget Bureau No. 42-4355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____				5. LEASE DESIGNATION AND SERIAL NO. NM 17098	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other <u>Re-entry</u>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Estoril Producing Corporation				7. UNIT AGREEMENT NAME None	
3. ADDRESS OF OPERATOR 1120 Vaughn Bldg., Midland, Texas 79701				8. FARM OR LEASE NAME Shell Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980 FNL, 660 FWL, Sec. 1 T20S, R28E D.C.C. At top prod. interval reported below At total depth				9. WELL NO. No. 1	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT Winchester, Morrow	
Re-entered				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 1, T20S, R28E	
15. DATE SPUDDED 8/8/74		16. DATE T.D. REACHED 8/8/74		12. COUNTY OR PARISH Eddy Co.	
17. DATE COMPL. (Ready to prod.) 10-21-74		18. ELEVATIONS (DF, R&B, RT, GR, ETC.)* 3272 GL		13. STATE New Mexico	
20. TOTAL DEPTH, MD & TVD 11,340'		21. PLUG BACK T.D., MD & TVD 11,200'		19. ELEV. CASINGHEAD	
22. IF MULTIPLE COMPL., HOW MANY* N/A		23. INTERVALS DRILLED BY Total		ROTARY TOOLS CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 11,067-11,113 Morrow					25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN Comp. Neutron & Form Density & E.S.					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
13 3/8	48#	298'	16"	300 sx Class C (circ)	None
9 5/8	32#	2,880'	12 1/4"	850 sx Class C	None
4 1/2	13.5#	11,317'	8 3/4"	400 sx Class C	None
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
None					
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
2-3/8 EUB	N-80 11,036	10,720			
31. PERFORATION RECORD (Interval, size and number) 11,067,69,71,73,81 11,105,07,09,13 9 holes (1 shot per foot)					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
Same		Acid 2000 gals MCA			
"		Frac 16,000 gals Ms Gel and 15,375# sand			
33.* PRODUCTION					
DATE FIRST PRODUCTION 9/19/74		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flow & Swab		WELL STATUS (Producing or shut-in) Shut-in	
DATE OF TEST 10/7/74	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—BBL.
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Flare					
35. LIST OF ATTACHMENTS Multi point and one point back pressure test					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>Carroll K. Kelly</u>		TITLE <u>President</u>		DATE <u>11-04-74</u>	

*(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				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Goat Seep Reef	1320	2700	Cavernous reef material	Top salt	650	+2635
				Top Tansell	805	+2480
				Top Yates	1010	+2275
				Top Reef	1320	+1965
				Delaware Sand	3400	- 115
				Third Bone		
				Springs	8540	-5255
				Wolfcamp	9100	-5815
				Strawn	10,155	-6870
				Atoka Morrow	10,610	-7322
				Barnett	11,350	8062