

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>										
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>								
2. NAME OF OPERATOR Tesoro Petroleum Corporation															
3. ADDRESS OF OPERATOR 8520 Crownhill Boulevard, San Antonio, Texas 78209															
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface Unit Letter M 720' from the West Line and 730' from the South Line At top prod. interval reported below Same At total depth Same															
14. PERMIT NO. ?				DATE ISSUED ---											
15. DATE SPUDDED 4-12-70		16. DATE T.D. REACHED 4-18-70		17. DATE COMPL. (Ready to prod.) 5-8-70		18. ELEVATIONS (DF, REB, BT, GR, ETC.)* 6908' GL; 6920' RKB		19. ELEV. CASINGHEAD 6908' GL							
20. TOTAL DEPTH, MD & TVD 1539' RKB		21. PLUG, BACK T.D., MD & TVD N/A		22. IF MULTIPLE COMPL., HOW MANY* ---		23. INTERVALS DRILLED BY Rotary		ROTARY TOOLS CABLE TOOLS							
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1503' - 1538' RKB (GR/N Log) Upper Hospah								25. WAS DIRECTIONAL SURVEY MADE Single Shot							
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction-Electric Log and Gamma Ray Neutron Log								27. WAS WELL CORED Cored Seven Lakes Sand 270-327. See analysis.							
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# H-40		73' RKB		12-1/4"		60 sacks common		None					
5-1/2"		14# J-55		1517' RKB		7-7/8"		100 sacks common		None					
29. LINER RECORD								30. TUBING RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
NONE										2-3/8"		1516' RKB		None	
31. PERFORATION RECORD (Interval, size and number) Open Hole								32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
								DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
								NONE				JUN 8 1970			
33.* PRODUCTION															
DATE FIRST PRODUCTION 5-9-70		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping						U. S. GEOLOGICAL SURVEY WELL STATUS: (Producing or shut-in) Producing							
DATE OF TEST 5-10-70		HOURS TESTED 24 hours		CHOKE SIZE N/A		PROD'N. FOR TEST PERIOD →		OIL—BBL. 10.65		GAS—MCF. Tstm		WATER—BBL. 0.93		GAS-OIL RATIO Nil	
FLOW. TUBING PRESS. ---		CASING PRESSURE ---		CALCULATED 24-HOUR RATE →		OIL—BBL. 10.65		GAS—MCF. Tstm		WATER—BBL. 0.93		OIL GRAVITY-API (CORR.) 31°			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) N/A								TEST WITNESSED BY							
35. LIST OF ATTACHMENTS Induction-Electric Log, Gamma Ray Neutron Log, Core Analysis															
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records															
SIGNED <u>R. N. Denman</u>				TITLE <u>Petroleum Engineer</u>				DATE <u>June 5, 1970</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; COMED 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	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
	0	73	Surface dirt, gravel and rock			
	73	270	Shaly sand	Menefee	276	
	270	496	Sand and shaly sand	Mancos	496	
	496	800	Shale			
	800	1503	Shale and sandy shale	Gallup	1503	
	1503	1539	Shale			

## 38. GEOLOGIC MARKERS