

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-2355.6.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____				5. LEASE DESIGNATION AND SERIAL NO. NM 33017	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. ESSE. ☐ Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
2. NAME OF OPERATOR Southern Union Exploration				7. UNIT AGREEMENT NAME _____	
3. ADDRESS OF OPERATOR 1217 Main St., Dallas, Texas 75202				8. FARM OR LEASE NAME SX-Federal 18	
4. LOCATION OF WELL (Report location clearly and in accordance with applicable requirements). At surface 800' FSL & 800' FEL At top prod. interval reported below At total depth Same as surface				9. WELL NO. 1	
14. PERMIT NO. U. S. GEOLOGICAL SURVEY FARMINGHAM, N. M. 9/21/79				10. FIELD AND POOL, OR WILDCAT Pictured Cliffs	
15. DATE SPUDDED 1/4/80				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 18, T27N, R12W	
16. DATE T.D. REACHED 1/9/80				12. COUNTY OR PARISH San Juan	
17. DATE COMPL. (Ready to prod.) 4/23/80				13. STATE New Mexico	
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5811' GR				19. ELEV. CASINGHEAD 5813' GR	
20. TOTAL DEPTH, MD & TVD 1325'		21. PLUG, BACK T.D., MD & TVD 1300'		22. IF MULTIPLE COMPL., HOW MANY* ---	
23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS XXX				24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None	
25. WAS DIRECTIONAL SURVEY MADE No				26. TYPE ELECTRIC AND OTHER LOGS RUN Induction/SFL and Compensated Neutron/Density	
27. WAS WELL CORED No					
28. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
7"		20		110'	
2 7/8"		6.4		1325'	
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
10 5/8"		Circ. w/35 sks Class "B"		0	
5 1/2"		Circ. w/170 sks Class "H"		0	
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
SACKS CEMENT*		SCREEN (MD)			
30. TUBING RECORD					
SIZE		DEPTH SET (MD)		PACKER SET (MD)	
None					
31. PERFORATION RECORD (Interval, size and number) 2 JSPF (.49" diameter) from 1009-1013'					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
1009-1013'		400 gals acid			
33.* PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			
DATE OF TEST		HOURS TESTED		CHOKE SIZE	
PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					
TEST WITNESSED BY					
35. LIST OF ATTACHMENTS Zone gave up only salt water					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.					
SIGNED <i>Steve A. John</i>		TITLE Drilling & Production Engineer		DATE January 5, 1981	

*(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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Kirtland	422'	840'	Shale
Fruitland	840'	1173'	Sand & shale
Coal	1173'	1225'	Coal
Picture Cliffs	1257'	Unknown	Sand
OJO Alamo	Surface	147'	Sand

38.

GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Coal	1173'	1173'	1173'