

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 ☐	GAS WELL ☒	DRY ☐	Other ☐												
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other ☐										
2. NAME OF OPERATOR Southern Union Exploration Company						5. LEASE DESIGNATION AND SERIAL NO. NM 33029											
3. ADDRESS OF OPERATOR 1217 Main Street, Dallas, Texas 75202						6. IF INDIAN, ALLOTTEE OR TRIBE NAME											
4. LOCATION OF WELL (Report location clearly and in accordance with any local requirements) At surface 1840' FNL & 1010' FNL At top prod. interval reported below At total depth 1595'						7. UNIT AGREEMENT NAME											
14. PERMIT NO. ARTESIA, NEW MEXICO 09/21/79						8. FARM OR LEASE NAME SX Federal #21											
15. DATE SPUDDED 02/05/80						9. WELL NO. 2											
16. DATE T.D. REACHED 02/19/80						10. FIELD AND POOL, OR WILDCAT Picture Cliffs											
17. DATE COMPL. (Ready to prod.)						11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA Sec 21, T26N, R13W											
18. ELEVATIONS (DF, RKB, BT, GR, ETC.) 6360' GR						12. COUNTY OR PARISH San Juan											
19. ELEV. CASINGHEAD 6362' GR						13. STATE New Mexico											
20. TOTAL DEPTH, MD & TVD 1595'		21. PLUG, BACK T.D., MD & TVD 1538'		22. IF MULTIPLE COMPLEMENTS, HOW MANY 23. INTERVALS, DRILLED BY 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 Electric & Density & Neutron Borehole Log						27. WAS WELL CORED NO											
28. CASING RECORD (Report all strings set in well)						28. WAS WELL CORED											
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD									
7"		32		91'		8 5/8"		40 sks Class "B"									
2 7/8"		4.7		1538'		5"		170 sks RFC									
29. LINER RECORD						30. TUBING RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.											
1526' to 1532' (2 JSPF) (.49)						DEPTH INTERVAL (MD)						AMOUNT AND KIND OF MATERIAL USED					
526' to 530' (2 JSPF) (.49)						1526' to 1532'						600 gallons acid					
						526' to 530'						750 gallons acid					
33. PRODUCTION						34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)											
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		WATER—BBL.		GAS-OIL RATIO			
FLOW, TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)					
35. LIST OF ATTACHMENTS						36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records						DATE 09/28/80					
Both zones gave up only salt water.						SIGNED <u>Ronald M. Gentry</u> TITLE <u>Drilling & Production Engineer</u>						DATE <u>09/28/80</u>					

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

NMOCC

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 25: "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; CORDED 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
Kirkland	370'	855'		Kirkland	370'	358'
Fruitland	855'	1392'		Fruitland	855'	783'
Coal	1392'	1455'		Coal	1392'	1303'
P.C.	1455'	TD		P.C.	1455'	1349'