

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

(See other instructions on reverse side)

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. REVR. ☐ Other ☐

2. NAME OF OPERATOR

Southern Union Exploration Company

3. ADDRESS OF OPERATOR

1217 Main St. Tx Federal Bldg. Suite 400, Dallas, Tx 75202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 890' FSL & 990' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.	DATE ISSUED
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15. DATE SPUDDED 11/03/80	16. DATE T.D. REACHED 11/18/80	17. DATE COMPL. (Ready to prod.) 06/25/81	18. ELEVATIONS (DF, REB, RT, GR, ETC.) * 6648 RKB	19. ELEV. CASINGHEAD 6640
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20. TOTAL DEPTH, MD & TVD 7430'	21. PLUG, BACK T.D., MD & TVD 5449	22. IF MULTIPLE COMPL., HOW MANY? —	23. INTERVALS DRILLED BY —	ROTARY TOOLS X	CABLE TOOLS —
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24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

5168' to 5339' Mesaverde

26. TYPE ELECTRIC AND OTHER LOGS RUN
Induction Electric, Density Borehole Compensated

27. WAS WELL CORED

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#	275	12 1/4	200 sks, Cl. "B", 3% CaCl	
4 1/2	10.5#	7416	7 7/8	1st 3505 sks, 50/50 poz	
				2nd 475 sks, 50/50 poz	
				3rd 300 sks, Class "B"	19,000

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	5085	5089

31. PERFORATION RECORD (*Interval, size and number*)

5168-70, 5174-76, 5181-93, 5200-04,
5240-43, 5250-56, 5276-88, 5320-21,
5324-25, 5331, 5334-39 (59 holes- $\frac{1}{2}$ ")

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5168-5339	2000 gallons 15% acid
	70,000 gallons foam w/65000# sand.

33. • PRGDUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (<i>Flowing, gas lift, pumping—size and type of pump</i>)	WELL STATUS (<i>Producing or shut-in</i>)
	Flowing	Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—EBL.	GAS—MCF.	WATER—EBL.	GAS-OIL RATIO
07/27/81	3	3/4	→	Tr	89	Tr	_____

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
47#	326#	→	—	711	—	—

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY
Joe Elledge

35. LIST OF ATTACHMENTS

Choke, production unit

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED Ronald M. Senter TITLE Drilling & Production Engineer DATE August 18, 1981

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

NMOCC

BY

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: CORREL INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, BLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2080	2690	Sand	Kirtland	2690	2660
Kirtland	2690	2875	Shale	Picture Cliffs	3010	2976
Fruitland	2875	3010	Shale & coal	Manefee	4850	4795
Picture Cliffs	3010	3170	Sand	Dakota	7230	7156
Lewis	3170	3918	Sand			
Chacra	3918	4710	Sand			
Cliffhouse	4710	4850	Sand			
Manefee	4850	5240	Sand, shale, & coal			
Point lookout	5240	5330	Sand			
Upper Mancos	5330	6252	Shale			
Gallup	6252	6740	Shale & sand			
Lower Mancos	6740	7150	Shale			
Greenhorn	7150	7210	Limy shale			
Graneros	7210	7230	Shale			
Dakota	7230	TD	Sand & some shale			