

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 ☐ OCT 1968

2. NAME OF OPERATOR
SOUTHERN UNION PRODUCTION COMPANY

3. ADDRESS OF OPERATOR
P. O. Box 808, FARMINGTON, NEW MEXICO 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1550 FT. FROM SOUTH LINE & 1650 FT. FROM EAST LINE
At top prod. interval reported below SAME AS ABOVE
At total depth SAME AS ABOVE

5. LEASE DESIGNATION AND SERIAL NO.
CONTRACT #105

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
JICARILLA APACHE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
JICARILLA "A"

9. WELL NO.
31

10. FIELD AND POOL OR WILDCAT
UNDEVELOPED GALLUP
DAKOTA

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA
SEC. 14, T-26N, R-4W,
N.M.P.M.

12. COUNTY OR PARISH
RIO ARriba

13. STATE
NEW MEXICO

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 7/20/68 16. DATE T.D. REACHED 7/31/68 17. DATE COMPL. (Ready to prod.) 9/6/68 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7147 FT. R.K.B. 19. ELEV. CASINGHEAD 7134 FT.

20. TOTAL DEPTH, MD & TVD 8241 FT. R.K.B. 21. PLUG, BACK T.D., MD & TVD 8196 FT. R.K.B. 22. IF MULTIPLE COMPL., HOW MANY* 2 23. INTERVALS DRILLED BY ROTARY TOOLS 0.8241 CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
7510-7526 GALLUP MD&TVD
7982-8176 DAKOTA MD&TVD

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN
E. S. INDUCTION, DENSITY, GAMMA RAY CORRELATION, CEMENT BOND LOG

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
10-3/4"	32.75	385	13-3/4"	225 BAGS	NONE
7-5/8"	26.40	4054	9-7/8"	400 CU. FT.	NONE
5-1/2"	15.50	3897 TOP 8232 BOTTOM	6-3/4"	675 CU. FT.	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5-1/2"	3897	8232	675 cu. ft.	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1 1/2" IJ	7491 FT. RKB	7900 FT. RKB
1 1/2" EUE	8107 FT. RKB	

31. PERFORATION RECORD (Interval, size and number)

GALLUP: 1 SHOT/FT. 7510-7518, 7520-7526
0.48" HOLE SIZE.

DAKOTA: 1 SHOT/FT. 7982-8004, 8008-8036,
8124-8146, 8168-8176.
0.48" HOLE SIZE.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7510-7518	40,000/ SAND & 38,810 GALS. WATER
7982-8176	100,000/ SAND, 2,000/ GLASS BEADS, 105,840 GALS. WATER.

33. PRODUCTION

DATE FIRST PRODUCTION 8/19/68 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 3/4" 3/4" 402 - DAKOTA 259 - GALLUP WELL STATUS (Producing or shut-in) SHUT-IN

DATE OF TEST 8/26/68 HOURS TESTED 3 CHOKY SIZE 3/4" PROD'N. FOR TEST PERIOD 3213 - DAKOTA 2075 - GALLUP OIL—BBL. GAS—CF. WATER—BBL. GAS-OIL RATIO

FLOW, TUBING PRESS. 280 CASING PRESSURE 1988 CALCULATED 24-HOUR RATE 2075 - DAKOTA 2075 - GALLUP OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
VENTED TEST WITNESSED BY KENNETH E. RIDDY

35. LIST OF ATTACHMENTS

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

ORIGINAL SIGNED BY

SIGNED B. R. VANDERSLICE

TITLE

AREA SUPERINTENDENT

DATE 9-27-68

*(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.

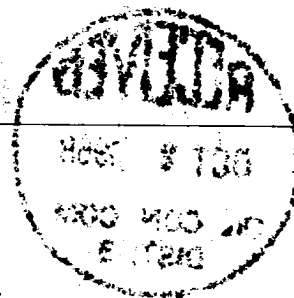
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22 and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate 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.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				PICTURED CLIFFS	3819	
				CLIFF HOUSE	5468	
				POINT LOOKOUT	5955	
				CALLUP	7132	
				BASE GREENWORM	7957	
				DAKOTA	7980	