

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.
Contract #145

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Jicarilla "K"

9. WELL NO.
14

10. FIELD AND POOL, OR WILDCAT
**South Blanco Pictured Cliffs
Otero Chacra Ext.-Basin Kd.**

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA
**Sec. 11, T-25N, R-5E
N.M.P.M.**

12. COUNTY OR PARISH
Rio Arriba

13. STATE
New Mexico

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

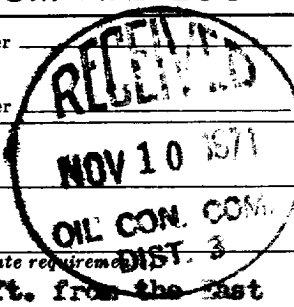
b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
Southern Union 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 **975 ft. from the South line & 1640 ft. from the East line**
At top prod. interval reported below **Same as above**
At total depth **Same as above**

14. PERMIT NO. _____ DATE ISSUED _____



15. DATE SPUDDED **7-27-71** 16. DATE T.D. REACHED **8-15-71** 17. DATE COMPL. (Ready to prod.) **9-16-71** 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* **6798 ft. R.K.B.** 19. ELEV. CASINGHEAD **6787 ft.**

20. TOTAL DEPTH, MD & TVD **7550 ft. MD & TVD** 21. PLUG, BACK T.D., MD & TVD **7510 ft. MD & TVD** 22. IF MULTIPLE COMPL., HOW MANY* **3** 23. INTERVALS DRILLED BY ROTARY TOOLS **0 - 7550** CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
**3064 - 3114 MD & TVD Pictured Cliffs
3950 - 3980 MD & TVD Chacra
7262 - 7462 MD & TVD Dakota**

25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN
E.S.- Induction, Density, Gamma-Ray Correlation, Cement Bond

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
8-5/8"	24.0	304 ft.	12-1/4"	250 Sacks	None
5-1/2"	15.5	7530 ft.	7-7/8"	1st stage cemented w/1200 cu. ft. cement	
Stage collar set at 4132 ft. Cemented			2nd stage w/1250 cu. ft. cement		

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1 1/2" I.J.	3902 ft.	Chacra 3902 ft.
1 1/2" MCF	7440 ft.	7162 ft. Dakota

31. PERFORATION RECORD (Interval, size and number)

Pictured Cliffs: 1 shot/ft 3064-3114 (Total 51)
Chacra: 1 shot/ft. 3950-3980 (Total 31)
Dakota: 1 shot/ft. 7262-7278, 7396-7414, 7424-7430, 7440-7462 (Total 66)
hole size-0.49"

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3064 - 3114	50,000# Sd. & 47,250 Gal. water
3950 - 3980	30,000# Sd. & 33,600 Gal. water
7262 - 7462	80,000# Sd. & 112,600 Gal. water

33.* PRODUCTION

DATE FIRST PRODUCTION **9-29-71** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **3 3/4" 213 Dakota** WELL STATUS (Producing or shut-in) **Shut - In**

DATE OF TEST **10-6-71** HOURS TESTED **3** CHOKER SIZE **3 1/4"** PROD'N. FOR TEST PERIOD **→** OIL—BBL. **160 Chacra** GAS—MCF. **540 Pictured Cliffs** WATER—BBL. _____ GAS-OIL RATIO _____

DATE OF TEST **10-15-71** HOURS TESTED **3** CHOKER SIZE **3 1/4"** PROD'N. FOR TEST PERIOD **→** OIL—BBL. **1702 MCF Dakota** GAS—MCF. **1280 MCF Chacra** WATER—BBL. _____ OIL GRAVITY-API (CORR.) _____

FLOW, RIDING PRESS. **135** CASING PRESSURE **Packer** CALCULATED 24-HOUR RATE **→** OIL—BBL. **1368 MCF Pictured Cliffs** GAS—MCF. _____ WATER—BBL. _____ OIL GRAVITY-API (CORR.) _____

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **No Tubing 339 Vented** TESTED BY **Kenneth E. Roddy**

35. LIST OF ATTACHMENTS

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

SIGNED **GILBERT D. NOLAND, JR.** TITLE **Drilling Superintendent** DATE **November 8, 1971**

Gilbert D. Noland, Jr.

*(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 38, 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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS
				Base Ojo Alamo Fruitland Pictured Cliffs Chacra Cliff House Point Lookout Gallup Base Greenhorn Dakota	2261 2913 3065 3954 4743 5351 6308 7241 7265