

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 4: R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. Contract #104			
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Indian			
2. NAME OF OPERATOR Southern Union Exploration				7. UNIT AGREEMENT NAME			
3. ADDRESS OF OPERATOR 314 N. Auburn, Drawer "F" Farmington, NM 87401				8. FARM OR LEASE NAME Jicarilla "E"			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface At top prod. interval reported below At total depth				9. WELL NO. 10-E			
14. PERMIT NO. U.S. GEOLOGICAL SURVEY				10. FIELD AND POOL, OR WILDCAT Basin Dakota			
15. DATE SPULDED 5-27-82				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. -22. 6M=4W			
16. DATE T.D. REACHED 6-8-82				12. COUNTY OR PARISH Rio Arriba			
17. DATE COMPL. (Ready to prod.) 7-6-82				13. STATE New Mexico			
18. ELEVATIONS (DP, RKB, RT, GR, ETC.) 6818				19. ELEV. CASINGHEAD 6805			
20. TOTAL DEPTH, MD & TVD 7890				21. PLUG, BACK T.D., MD & TVD 7875			
22. IF MULTIPLE COMPL., HOW MANY? 2				23. CABLE TOOLS 0 to 7890			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD) Dakota: 7675 to 7846				25. WAS DIRECTIONAL SURVEY MADE Yes			
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray-Induction, Compensated Density, Bond, Collar				27. WAS WELL CORED No			
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
10 3/4"		40.5#		340' RKB		14 3/4"	
7 5/8"		29.7#		3850' RKB		9 7/8"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
5 1/2"		3676'		7890'		See Attachment	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2 1/16"		7666.92		7562			
31. PERFORATION RECORD (Interval, size and number) 46 .36" holes at: 7675-7695, 21 holes 7794-7800, 7 holes 7804-7810, 7 holes 7836-7846, 11 holes							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
7794-7846				73,500 gals 30-40, 2% HC gel,			
				150,000# 20/40 sand.			
7675-7695				41,500 gals 30-40 2% HC gel			
				85,000# 20/40 sand.			
33. PRODUCTION							
DATE FIRST PRODUCTION 7-13-82		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut in	
DATE OF TEST 7-13-82		HOURS TESTED 3 hrs.		CHOKE SIZE 3/4"		PROD'N. FOR TEST PERIOD →	
FLOW. TUBING PRESS. 328 to 46		CASING PRESSURE →		CALCULATED 24-HOUR RATE →		OIL--BBL. 668	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented to be sold							
35. LIST OF ATTACHMENTS Attachment #1, Item 28 casing cementing record & Item 29 Liner Cementing Record.							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							

SIGNED

Michael L. Davis

TITLE San Juan Division Manager

ACCEPTED FOR RECORD  
DATE 07-23-82

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

AUG 5 1982

NMOCC

FARMINGTON  
BY P. G. Becker

# 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 report 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 must 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: CORRD INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL, TESTED, FISHION USED, TIME TOOL, OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			Upper zones not logged.			
Cliffhouse	5115	5240	Water-possible gas	Point Lookout	5627	5627
Menefee	5240	5629	Water & gas	Base Greenhorn	7633	7633
Point Lookout	5629	5860	Gas			
Tocito	7176	7198	Gas			
Dakota	7650		Gas			



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# ATTACHMENT #1.

## ITEM 28: CASING CEMENTING RECORD.

10 3/4" csg: Cemented w/350 sks Class "B" w/2% CaCl and 1/4#/sack Cello Flake. Circ 20 BBLS good cement. (370 ft<sup>2</sup>)

7 5/8" L & G: Cemented w/370 sks Halliburton Lite containing 12% gel, 12 1/4#/sack Gilsonite, 170 sks 50/50 poz A, with 10#/sack Gilsonite, 1/4#/sack Flocele, 6#/sack salt. 100 sacks (118 ft<sup>2</sup>) Class B, w/2% CaCl. Circulated 80 BBLS good cement. (251 ft<sup>2</sup>)

## ITEM 29: LINER CEMENTING RECORD.

5 1/2" Liner: Cemented w/475 sacks 50/50 poz mix, 2% Gel, 6% Halad 9. 3/4 of 1% CFR2. Reversed out 8 BBLS good cement. (590 ft<sup>2</sup>)