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

/	Form A				
	Budget	Buresu	No.	42-R1	424

/NIM 222	153
/NM-230	ורו

6.	IF1	NDIAN,	ALLOTTI	EE OR	TRIBI	E NAME

SUNDRY	NOTICES	AND	REPORTS	SON	WELLS
Do not use this fo eservoir. Use Form	rm for proposals n 9–331–C for suc	to drill o	or to deepen or sals.)	plug bac	k to a different

reservoir.	Use ron	m 9-331-	-C for s	ucn proposai	\$.)	
1. oil well	<u>IX</u> X	gas well		other		
		<mark>opera</mark> Royal		Ltd.		
		OF OPE		R e. 400	Denver,	CO 80202
beld AT AT	ow.) Surfac Top Pi		650' ITERV	FSL &	790' FWL	Y. See space 17

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,

8. FARM OR LEASE NAME

7. UNIT AGREEMENT NAME

Federal #7

9. WELL NO. #13

10. FIELD OR WILDCAT NAME Lybrook Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR **AREA** Sec. 7, T23N, R7W

12. COUNTY OR PARISH 13. STATE New Mexico Rio Arriba

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD) 7119' GR

**REQUEST FOR APPROVAL TO:** 

REPORT, OR OTHER DATA

SUBSECUENT REPORT OF: **TEST WATER SHUT-OFF** FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL PULL OR ALTER CASING MULTIPLE COMPLETE **CHANGE ZONES** ABANDON\*

## RECEIVED

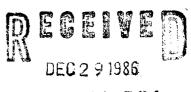
(NOTE: Report results of multiple completion or zone change on Form 9-330.) DEC 22 1986

BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

(attached)

(other)



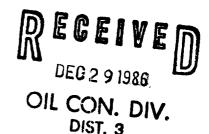
OIL COM. DIV. DIST. 3

Subsurface Safety Valve: Manu. and Ty	pe	··	Set @ Ft.
18. I hereby certify that the foregoing	is true and correct		
SIGNED Rick A. McGee	TITLE Exploitation D	ATE	127167860VED
	(This space for Federal or State office use)		
APPROVED BY	TITLE	DATE	DEG 20 1986
17	*See Instructions on Reverse Side	**************************************	AREA MANAGER FARMINGTON SESUULIE MEDIA

NMOCC

## Federal #7-13 Rio Arriba County, New Mexico

## Plugging and Abandonment Procedure



- 1. MIRU. Inst BOP.
- 2. POOH w/ rods. Establish circ.
- 3. TIH w/ 2-3/8" tbg to RBP @ 6,190'. Ld hole w/ 9.2 ppg mud.  $^{\circ}$
- 4. Spot 25 sx cmt on RBP from 5,890'-6,190'.
- 5. Spot 25 sx cmt from 5,135'to 5,435' (top of Gallup @ 5,335').
- 6. Spot 25 sx cmt from 3,240'-3,540' (top of Cliff House @ 3,440').
- 7. Spot 25 sx cmt from 1,740' to 2,040' (top of Pictured Cliffs @ 1,940').
- 8. Spot 25 sx cmt from 1,060' to 1,360' (top of Ojo Alamo @ 1,260').
- 9. Spot 28 sx cmt from 19' to 349' (surface csg shoe @ 299').
- 10. RDMO. Weld plate on csg. Set marker.
- 11. Clean up location.

DV tools were ran in the 4-1/2" csg at 2,192' and 5,539'.

Cement bond logs indicate a good bond across the following intervals:

35'-2,260'
3,485'-3,740'
3,940'-4,145'
4,300'-4,500'
5,040'-5,545'
6,130'-TD

It is anticipated that the Federal #7-13 will be plugged and abandoned in the month of June, 1987.