

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 7011  
Order No. R-6481

APPLICATION OF AMOCO PRODUCTION  
COMPANY FOR DOWNHOLE COMMINGLING,  
SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on September 17, 1980, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 20th day of October, 1980, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Amoco Production Company, is the owner and operator of six wells described as follows: Elliott "C" No. 1, SE/4 of Section 9, Township 30 North, Range 9 West; Elliott "B" No. 8, NE/4 of Section 10; Elliott "A" Nos. 3 and 2, NE/4 and NW/4, Section 11; Elliott "D" No. 7, SW/4 of Section 11; and Elliott "E" No. 1, NW/4 of Section 14, all in Township 29 North, Range 9 West, NMPM, San Juan County, New Mexico.

(3) That the applicant seeks authority to commingle Fruitland and Blanco-Pictured Cliffs production within the wellbores of the above-described wells.

(4) That from the Fruitland zone, the subject wells are or are expected to be capable of low marginal production only.

(5) That from the Blanco-Pictured Cliffs zone, the subject wells are or are expected to be capable of low marginal production only.



(6) That the proposed commingling may result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights.

(7) That the reservoir characteristics of each of the subject zones are such that underground waste would not be caused by the proposed commingling provided that the well is not shut-in for an extended period.

(8) That to afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Aztec district office of the Division any time the subject wells are shut-in for 7 consecutive days.

(9) That in order to allocate the commingled production to each of the commingled zones in the wells, applicant should consult with the supervisor of the Aztec district office of the Division and determine an allocation formula for each of the production zones in each well.

IT IS THEREFORE ORDERED:

(1) That the applicant, Amoco Production Company, is hereby authorized to commingle Fruitland and Blanco-Pictured Cliffs production within the wellbores of the following six wells: Elliott "C" No. 1, SE/4 of Section 9, Township 30 North, Range 9 West; Elliott "B" No. 8, NE/4 of Section 10; Elliott "A" Nos. 3 and 2, NE/4 and NW/4, Section 11; Elliott "D" No. 7, SW/4 of Section 11; and Elliott "E" No. 1, NW/4 of Section 14, all in Township 29 North, Range 9 West, NMPM, San Juan County, New Mexico.

(2) That the applicant shall consult with the Supervisor of the Aztec district office of the Division and determine an allocation formula for the allocation of production to each zone in each of the subject wells.

(3) That the operator of the subject wells shall immediately notify the Division's Aztec district office any time any of the wells have been shut-in for 7 consecutive days and shall concurrently present, to the Division, a plan for remedial action.

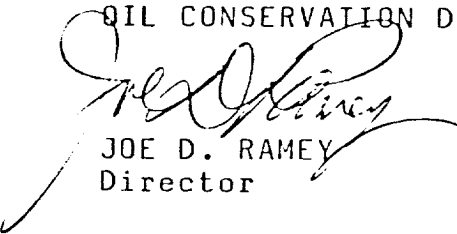
(4) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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Case No. 7011  
Order No. R-6481

DONE at Santa Fe, New Mexico, on the day and year herein-  
above designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



JOE D. RAMEY  
Director

S E A L

fd/

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 <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
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 _____
2. NAME OF OPERATOR Amoco Production Company							
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, NM 87401							
4. LOCATION OF WELL (Report location clearly and in accordance with State requirements) At surface 1910' FNL X 1490' FEL At top prod. interval reported below Same At total depth Same							
14. PERMIT NO. <u>U.S. GEOLOGICAL SURVEY FARMINGTON, N.M.</u>							
5. LEASE DESIGNATION AND SERIAL NO. SF-078132							
6. IF INDIAN, ALLOTTEE OR TRIBE NAME							
7. UNIT AGREEMENT NAME							
8. FARM OR LEASE NAME A. L. Elliott "B"							
9. WELL NO. 8							
10. FIELD AND POOL, OR WILDCAT Undesignated Fruitland							
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Blanco Pictured Cliffs SW/4, NE/4, Section 10 T29N, R9W							
12. COUNTY OR PARISH San Juan				13. STATE NM			
15. DATE SPUDDED 3-31-80		16. DATE T.D. REACHED 4-4-80		17. DATE COMPL. (Ready to prod.) 8-1-80		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5923' GL	
20. TOTAL DEPTH, MD & TVD 2745'		21. PLUG, BACK T.D., MD & TVD 2683'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS O-TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2376-2382, 2502-2506, 2545-2610, 2648-2658, Fruitland/Pictured Cliffs							
25. WAS DIRECTIONAL SURVEY MADE No							
26. TYPE ELECTRIC AND OTHER LOGS RUN *Induction - GR; Compensated Density - Side-wall Neutron - GR							
27. WAS WELL CORED No							
28. CASING RECORD (Report all strings set in well)							
CASINO SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8 5/8"		24#		325'		12 1/4"	
4 1/2"		10.5#		2745'		7 7/8"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
2 3/8"		2506		2526'		2526'	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2 3/8"		2506		2526'			
31. PERFORATION RECORD (Interval, size and number) 2376-2382, 2502-2506, 2545-2610, 2648-2658, with 2 SPF, A total of 170, .38" Holes.							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
2376-2658				90,000 gal of foam frac fluid & 160,000# 20-40 sand.			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut - In	
DATE OF TEST 8-20-80		HOURS TESTED 3 hr.		CHOKE SIZE .75		PROD'N. FOR TEST PERIOD OIL—BBL. 80/252	
FLOW. TUBING PRESS. 63/155		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL. 640/2016	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TO BE SOLD							
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 <u>E-E. Svoboda</u>		TITLE <u>Dist. Admin. Supvr.</u>				DATE <u>10-10-80</u>	

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

FARMINGTON DISTRICT

# 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.	38. GEOLOGIC MARKERS	
				NAME	<div>MEAS. DEPTH</div> <div>TOP</div> <div>TRUE VERT. DEPTH</div>
Kirtland	1525	2201	Shale		
Fruitland	2201	2544	Sand, Shale, Coal		
Pictured Cliffs	2544	2697	Sand		