

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT - " for such proposals

5. Lease Designation and Serial No.

SF-078770

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Rosa Unit #132

9. API Well No.

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

Rio Arriba

New Mexico

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Amoco Production Company

Attention:  
Julie L. Acevedo

3. Address and Telephone No.  
P.O. Box 800, Denver, Colorado 80201 (303) 830-6003

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
640FSL 950FWL Sec. 22 T 31N R 5W

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Revise APD

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)\*

Amoco Production Company requests your approval of the attached casing, liner and cementing revisions for the application to drill submitted on 6/10/93.

**RECEIVED**  
SEP -1 1993  
OIL CON. DIV.  
DIST. 3

RECEIVED  
BLM  
03 AUG 19 PM 2:08  
070 [unclear] NMI

14. I hereby certify that the foregoing is true and correct.

Signed

Title

Sr. Staff Assistant

Date

08-18-1993

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

\* See Instructions on Reverse Side  
NMOC

**APPROVED**

AUG 20 1993

DISTRICT MANAGER

FINAL COPY

AMOCO PRODUCTION COMPANY  
DRILLING AND COMPLETION PROGRAMFile: H:\group\srbu\nmexdk\dak18f46.wk3  
Revision Date: 08/18/93Lease: Rosa Unit  
County: San Juan, New Mexico  
Formerly Reference Well #18Well No. 132  
Location: 640' FSL x 950' FWL, Sec. 22, T31N, R5W

Field: Basin Dakota

OBJECTIVE: Evaluate and develop Pictured Cliff, Mesa Verde and Dakota reserves.

METHOD OF DRILLING			APPROXIMATE DEPTHS OF GEOLOGICAL MARKER		
TYPE OF TOOLS	DEPTH OF DRILLING		6,528 Est. GL Elev.		6,544 Est. KB Elev.
	0 – TD		Marker	Depth (ft)	SS Elev. (ft)
Rotary	LOG PROGRAM		Ojo Alamo	2,664	3,880
Type	Depth Interval		Fruitland	2,817	3,727
DIL–CAL–NGT–GR	SFC to TD	Mud Hole	Pictured Cliffs *	3,439	3,105
FDC–CNL	SFC to TD	Mud Hole	Lewis Shale	4,114	2,430
MICROLOG	TD + 1000'	Mud Hole	Cliff House*	5,589	955
MRI	*ICP to Top Fruitland (6" tool)		Menefee	5,744	800
	**TD to PCP (4.5" tool)		Point Lookout*	5,884	660
Epithermal Neutron/			Mancos Shale	6,384	160
Spectral Density/Temp Log	PCP–ICP	Air Hole	Greenhorn	7,916	(1,372)
DIL–Cal–GR	PCP–ICP	Air Hole	Dakota #	8,089	(1,545)
REMARKS:			TOTAL DEPTH:	8,444	(1,900)

## REMARKS:

Magnetic Resonance Image (MRI), pulls at 7'/min.  
(409) 836 - 2955 (Numar, Brenham District).  
\*Contact Roger Gierhart (303/830-5053) for authorization.  
\*\*Contact Harry TerBest (303/830-6038) for authorization.

## SPECIAL TESTS

TYPE DEPTH INTERVAL, ETC

None

Remarks:

## MUD PROGRAM:

Approx Interval	Type Mud	Weight, #/gal	Vis, sec/qt	W/L, cc's/30 min
0' - 400'	SPUD	8.5 - 9.0	Sufficient to clean hole and maintain hole conditions for logs.	
400' - INT CSG	LSND	8.8 - 11.0		
INT CSG- T. Greenhorn	AIR	-		
T. Greenhorn - TD	LSND	9.5 - 10		

## REMARKS:

\* Use minimum mud weight to control formation pressures.

## CASING PROGRAM:

Casing String	Estimated Depth (ft)	Casing Size	Hole Size	Landing Point, Cement, Etc
Conductor				
Surface (SCP)	400	13-3/8"	17-1/2"	1,2
Intermediate (ICP)	4,264	9-5/8"	12-1/4"	1,2,3
Protective (PCP)	7,916	7"	8-3/4"	2,4
Production (TD)	8,444	4-1/2"	6-1/4"	2,5

## Remarks:

1. Circulate cement to surface.
2. Southern Rockies Drilling Team to design cement programs.
3. Casing set 100' - 150' into Lewis Shale.
4. Casing set at top of Greenhorn Limestone.
5. Casing set 50' into Morrison.

## GENERAL REMARKS:

Southern Rockies Dakota Engineer to design completion program.

REVISED FOR LARGER CASING PROGRAM &amp; TO REVISE LOGGING PROGRAM.

Form 46 Reviewed by:

PREPARED BY:

F. Seidel/H. TerBest

Form 46 7-84bw

Logging program reviewed by:

APPROVED:

J. R. Pantaleo  
For Production Dept

APPROVED:

For Exploration Dept

RW #18

Amoco proposes to drill the well to further develop the Dakota reservoir.

The well will be drilled to the surface casing point using native mud.

The well will then be drilled to the intermediate casing point with a non-dispersed mud system.

The protective hole will be drilled with air to the top of the Greenhorn where protective casing will be set.

The production hole will be drilled with a non-dispersed mud system to TD.

Surface Casing:

Quantity (ft)	Size (in)	Weight (ppf)	Description	Cement program
400	13.375	61	J-55, ST&C	625 cf Class B, 2% CaCl <sub>2</sub> + 0.25 #/sx Flocele. 1.18 cf/sx, 15.6 ppg

Hole size 17.5", 125% excess, circulate cement to surface.

Intermediate Casing:

Quantity (ft)	Size (in)	Weight (ppf)	Description	Cement program
4264	9.625	36	J-55, LT&C	* 2 stage

\* 1st Stg Tail: 1066 cf Class B, 0.4% CFR-3, 0.4% Halad 344, 5 #/sx Gilsonite,  
+ 0.25 #/sx Flocele.  
1.29 cf/sx, 15.11 ppg.

Top of Fruitland Coal 2817 ft  
Stage tool depth 2717 ft, 100' above top of Fruitland Coal.

\* 2nd Stg Lead: 1743 cf Class B, 65:35:6, 7 #/sx salt, 0.375 #/sx Flocele, 5% Calseal,  
2% Microbond.  
1.8 cf/sx, 13.0 ppg.

\* 2nd Stg Tail: 129 cf Class B, 0.4% CFR-3, 0.4% Halad 344, 5 #/sx Gilsonite,  
+ 0.25 #/sx Flocele.  
1.29 cf/sx, 15.6 ppg.

Hole size 12.25", 120% excess, circulate cement to surface.

Protective Casing:

Quantity (ft)	Size (in)	Weight (ppf)	Description	Cement program
7916	7	23	J-55, LT&C	* 2 stage

\* 1st Stg Tail: 680 cf Class B, 50/50 poz, 2% gel, 0.4% Halad 413, 0.1% SCR 100,  
5 #/sx Gilsonite, 5% Microbond HT, 0.4% VersaSet, 0.25 #/sx Flocele.  
1.35 cf/sx, 13.4 ppg.

Top Picture Cliffs 3439 ft Est Top Cmt 3339  
Top of Mesa Verde 5589 ft  
Stage tool depth 5089 ft, 500' above top of Mesa Verde.

\* 2nd Stg Tail: 353 cf Class B, 50/50 poz, 2% gel, 0.4% Halad 413,  
5 #/sx Gilsonite, 5% Microbond HT, 0.4% VersaSet, 0.25 #/sx Flocele.  
1.35 cf/sx, 13.4 ppg.

Hole size 8.75", 60% excess, circulate cement to surface.

Production Liner:

Quantity (ft)	Size (in)	Weight (ppf)	Description	Cement program
728	4.5	11.6	N-80, LT&C	* single stage

\* 1st Stg Tail: 128 cf Class G, 35% SSA 1, 1.0% CFR 3, 0.5% Halad 24,  
0.25 #/sx Flocele.  
1.56 cf/sx, 15.6 ppg.

Estimated Total Depth 8444 ft  
Estimated Top of Liner 7716 ft 200' overlap into intermediate casing.

Hole size 6.25", 60% excess, tie cement back.

BY: FRANK SEIDEL/BARRY PEISER

08/18/93

= input depths from form 46 in shaded areas to calculate cement volumes.

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