

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

6. Lease Designation and Serial No.

SF-080376

8. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

San Juan Unit 32-9 #113

8. Well Name and No.

San Juan Unit 32-9 #113

9. API Well No.

3004528987

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

San Juan 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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1450FNL 990FWL Sec. 9 T 31N R 9W

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 APD Revision

- ☐ 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 for permit to drill approved on 8/20/93.

If you have any questions in regards to this matter please contact Julie Acevedo at 303-830-6003.

CONFIDENTIAL

RECEIVED  
NOV 9 1993  
OIL CON. DIV.  
DIST. 9

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

Signed

*Julie L. Acevedo*

Title

Sr. Staff Assistant

Date

09-22-1993

(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  
NMCD

APPROVED

SEP 27 1993

DISTRICT MANAGER

File: H:\group\srbu\nmexdk\dak27f46.wk3  
Revision Date: 09/22/93

Formerly Reference Well #27

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 20' above the Dakota 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)	Wt. (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)	Wt. (ppf)	Description	Cement program
3867	9.625	36	J-55, LT&C	* 2 stage

\* 1st Stg Tail: 537 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 3187 ft  
Stage tool depth 3087 ft, 100' above top of Fruitland Coal.

\* 2nd Stg Lead: 1998 cf Class B, 65:35:6, 7#/sx salt, 0.375 #/sx Flocele, 5% Calseal,  
2% Microbond.  
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Hole size 12.25", 120% excess, circulate cement to surface.

Protective Casing:

Quantity (ft)	Size (in)	Wt. (ppf)	Description	Cement program
7964	7	23	J-55, LT&C	* 2 stage

\* 1st Stg Tail: 727 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 3582 ft Est TCMT 3482  
Top of Mesa Verde 5442 ft  
Stage tool depth 4942 ft, 500' above top of Mesa Verde.

\* 2nd Stg Tail: 323 cf Class B, 50/50 poz, 2% gel, 0.4% Halad 413,  
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Hole size 8.75", 60% excess, circulate cement to surface.

Production Liner:

Quantity (ft)	Size (in)	Wt. (ppf)	Description	Cement program
678	4.5	11.6	N-80, LT&C	* single stage

\* 1st Stg Tail: 117 cf Class G, 35% SSA 1, 1.0% CFR 3, 0.5% Halad 24,  
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1.56 cf/sx, 15.6 ppg.

Estimated Total Depth 8442 ft  
Estimated Top of Liner 7764 ft 200' overlap into intermediate casing.

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

BY: FRANK SEIDEL/BARRY PEISER 09/22/93

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

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23 PM 1:50

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AMOCO

SEP 27 1993  
DISTRICT MANAGER

FINAL COPY

AMOCO PRODUCTION COMPANY  
DRILLING AND COMPLETION PROGRAMFile: H:\group\srbu\nmexdk\dak27f46.wk3  
Revision Date: 09/22/93Lease: San Juan 32-9 Unit  
County: San Juan, New Mexico  
Formerly Reference Well #27Well No. 113  
Location: 1450' FNL x 990' FWL, Sec. 9, T31N, R9W

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	6,706 Est. GL Elev.		6,722 Est. KB Elev.	
Rotary		0 – TD	Marker	Depth (ft)	SS Elev. (ft)	
LOG PROGRAM			Ojo Alamo	2,267	4,455	
Type	Depth Interval		Fruitland	3,187	3,535	
HRI–DIL–CA.–NGT–GR	SFC to TD	Mud Hole	Pictured Cliffs *	3,582	3,140	
FDC–CNL	SFC to TD	Mud Hole	Lewis Shale	3,717	3,005	
MICROLOG	TD + 1000'	Mud Hole	Cliff House *	5,442	1,280	
MRI	*ICP to Top Fruitland (6' tool)		Menefee *	5,499	1,223	
	**TD to PCP (4.5' tool)		Point Lookout *	5,824	898	
Epithermal Neutron/			Mancos Shale	5,998	724	
Spectral Density/Temp Log	PCP – ICP	Air Hole	Greenhorn Limestone	7,847	(1,125)	
DIL–Cal–GR	PCP – ICP	Air Hole	Graneros Shale	7,902	(1,180)	
REMARKS:			Dakota #	7,984	(1,262)	
Magnetic Resonance Image (MRI), pulls at 7"/min.			TOTAL DEPTH:	8,442	(1,720)	
(409) 836 – 2955 (Numar, Brenham District).			# Probable completion interval, * Possible completion interval.			
*Contact Roger Gierhart (303/830–5053) for authorization.			OJO ALAMO IS POSSIBLE USEABLE WATER.			
**Contact Harry TerBest (303/830–6038) for authorization.			DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE	DEPTH INTERVAL, ETC		FREQUENCY	DEPTH	FREQUENCY	DEPTH
			20'	PCP – TD	Geologist	0 – TD
None			Remarks:			
Remarks:			Mudlogging Program:			
			Mudlogger to monitor chromatograph 100' above Cliff House to TD.			
			Full two man mudlogging services for Dakota Mud Up to TD.			

**MUD PROGRAM:**

Approx Interval	Type Mud	Weight, #/gal	Vis, sec/qt	W/L, cc's/30 min
0 - SCP	SPUD	8.5 - 9.0	Sufficient to clean hole and maintain hole conditions for logs.	
SCP - ICP	LSND	8.8 - 11.0		
ICP - PCP	AIR	-		
PCP - 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)	3,867	9-5/8"	12-1/4"	1,2,3
Protective (PCP)	7,964	7"	8-3/4"	2,4
Production (TD)	8,442	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 150' into Lewis Shale.
4. Casing set 20' above top of Dakota.
5. Casing set 50' into Morrison.

**GENERAL REMARKS:**

Southern Rockies Dakota Engineer to design completion program.

REVISED FOR LARGER CASING PROGRAM, LOGGING PROGRAM AND  
FOR DEEPER PROTECTIVE CASING POINT (FROM T. GREENHORN TO 20' ABOVE DAKOTA).

Form 46 Reviewed by:

Logging program reviewed by:

PREPARED BY:

APPROVED:

APPROVED:

F. Seidel/H. TerBest/A. Logan

For Production Dept

For Exploration Dept

Form 46 7-84 JW

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