

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

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BLM  
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6. Lease Designation and Serial No.

SF-079042

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

NEBU

9. API Well No.

3004525312

10. Field and Pool, or Exploratory Area

Basin Dakota/Wildcat PC

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

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

920FSL

860FEL

Sec. 8 T 30N R 7W

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 7/29/93.

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

Signed

*Julie L. Acevedo*

Title

Sr. Staff Assistant

Date

9-20-93

(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

NMOOD

RECEIVED  
NOV 9 1993  
OIL CON. DIV.  
DIST. 2

APPROVED  
SEP 27 1993  
DISTRICT MANAGER

Formerly Reference Well #29

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 top of 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
3512	9.625	36	J-55, LT&C	* 2 stage

\* 1st Stg Tail: 528 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 2846 ft  
Stage tool depth 2746 ft, 100' above top of Fruitland Coal.

\* 2nd Stg Lead: 1763 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)	Wt. (ppf)	Description	Cement program
7493	7	23	J-55, LT&C	* 2 stage

\* 1st Stg Tail: 714 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 3144 ft Est TCMT 3044  
Top of Mesa Verde 5026 ft  
Stage tool depth 4526 ft, 500' above top of Mesa Verde.

\* 2nd Stg Tail: 322 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)	Wt. (ppf)	Description	Cement program
559	4.5	11.6	N-80, LT&C	* single stage

\* 1st Stg Tail: 90 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 7852 ft  
Estimated Top of Liner 7293 ft 200' overlap into intermediate casing.

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

BY: FRANK SEIDEL/BARRY PEISER 09/15/93

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

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AMOCO PRODUCTION COMPANY  
DRILLING AND COMPLETION PROGRAMFile: H:\group\srbu\nmexdk\dak29f46.wk3  
Revision Date: 09/15/93Lease: Northeast Blanco Unit  
County: Rio Arriba, New Mexico  
Formerly Reference Well #29Well No. 309  
Location: 920' FSL x 860' FEL, Sec. 8, T30N, R7W

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		6,257 Est. GL Elev.		6,273 Est. KB Elev.
Rotary	0 - TD		Marker	Depth (ft)	SS Elev. (ft)
<b>LOG PROGRAM</b>			Ojo Alamo	2,044	4,229
Type	Depth Interval		Fruitland	2,846	3,427
HRI-DIL-CAL-NGT-GR	SFC to TD	Mud Hole	Pictured Cliffs *	3,144	3,129
FDC-CNL	SFC to TD	Mud Hole	Lewis Shale	3,362	2,911
MICROLOG	TD + 1000'	Mud Hole	Cliff House *	5,026	1,247
MRI	*ICP to Top Fruitland (6" tool)		Menefee *	5,071	1,202
	**TD to PCP (4.5" tool)		Point Lookout *	5,389	884
Epithermal Neutron/ Spectral Density/Temp Log	PCP - ICP	Air Hole	Mancos Shale	5,761	512
DIL-Cal-GR	PCP - ICP	Air Hole	Greenhorn	7,380	(1,107)
REMARKS:			Dakota #	7,513	(1,240)
Magnetic Resonance Image (MRI), pulls at 7'/min. (409) 836 - 2955 (Numar, Brenham District).			TOTAL DEPTH:	7,852	(1,579)
*Contact Roger Gierhart (303/830-5053) for authorization.			# Probable completion interval		
**Contact Harry TerBest (303/830-6038) for authorization.			* Possible pay.		
<b>SPECIAL TESTS</b>			<b>OJO ALAMO IS POSSIBLE USEABLE WATER.</b>		
TYPE	DEPTH INTERVAL, ETC		<b>DRILL CUTTING SAMPLES</b>		<b>DRILLING TIME</b>
			FREQUENCY	DEPTH	FREQUENCY DEPTH
None			20'	PCP - TD	Geologist 0 - TD
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.		
<b>MUD PROGRAM:</b>					
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' - 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)	3,512	9-5/8"	12-1/4"	1,2,3
Protective (PCP)	7,493	7"	8-3/4"	2,4
Production (TD)	7,852	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:

PREPARED BY:

F. Seidel/H. TerBest

Form 46 7-84bw

Logging program reviewed by:

APPROVED:

J. R. Pantalano  
For Production Dept

APPROVED:

For Exploration Dept