

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

RECEIVED
BLM

SEP 23 PM 50

070 FARMINGTON, NM

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)
1780FNL 790FWL Sec. 24 T 31N R 7W

5. Lease Designation and Serial No.
SF-079010

6. Indian, Allottee or Tribe Name

7. Unit or CA, Agreement Designation

8. Well Name and No.
NEBU 307

9. API Well No.
3004528984

10. Field and Pool, or Exploratory Area
Basin Dakota/S. Los Pinos Fruitland

11. County or Parish, State
San Juan New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other APD Revision	<input type="checkbox"/> 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 7/23/93

RECEIVED
NOV 9 1993
OIL CON. DIV
DIST. 3

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

Signed

Julie L. Acevedo

Title

Sr. Staff Assistant

Date

09-20-1993

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

APPROVED

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
NMOCD

SEP 27 1993
DISTRICT MANAGER

Lease: Northeast Blanco Unit
County: San Juan, New Mexico
Formerly Reference Well #7Well No. 307
Location: 1780' FNL x 790' FWL, Sec. 24, T31N, 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		6,409 Est. GL Elev.		6,425 Est. KB Elev.	
Rotary	0 - TD		Marker	Depth (ft)	SS Elev. (ft)	
LOG PROGRAM			Ojo Alamo	2,315	4,110	
Type	Depth Interval		Fruitland	3,017	3,408	
HRI-DIL-CAL-NGT-GR	SFC to TD	Mud Hole	Pictured Cliffs *	3,227	3,198	
FDC-CNL	SFC to TD	Mud Hole	Lewis Shale	3,475	2,950	
MICROLOG	TD + 1000'	Mud Hole	Cliff House *	5,358	1,067	
MRI	*ICP to Top Fruitland (6" tool)		Menefee *	5,378	1,047	
	**TD to PCP (4.5" tool)		Point Lookout *	5,683	742	
Epithermal Neutron/ Spectral Density/Temp Log	PCP - ICP	Air Hole	Mancos Shale	5,753	672	
DIL-Cal-GR	PCP - ICP	Air Hole	Greenhorn	7,681	(1,256)	
REMARKS:			Dakota #	7,870	(1,445)	
Magnetic Resonance Image (MRI), pulls at 7'/min. (409) 836 - 2955 (Numar, Brenham District).			TOTAL DEPTH:	8,155	(1,730)	
*Contact Roger Gierhart (303/830-5053) for authorization.			# Probable completion interval			
**Contact Harry TerBest (303/830-6038) for authorization.			* Possible pay.			
SPECIAL TESTS			OJO ALAMO IS POSSIBLE USEABLE WATER.			
TYPE	DEPTH INTERVAL, ETC		DRILL CUTTING SAMPLES		DRILLING TIME	
			FREQUENCY	DEPTH	FREQUENCY	DEPTH
			20'	PCP - TD	Geolograph	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' - 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)	3,625	9-5/8"	12-1/4"	1,2,3
Protective (PCP)	7,850	7"	8-3/4"	2,4
Production (TD)	8,155	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:

For Production Dept

APPROVED:

For Exploration Dept

Formerly Reference Well #7

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 ₂ + 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
3625	9.625	36	J-55, LT&C	* 2 stage

* 1st Stg Tail: 488 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 3017 ft
Stage tool depth 2917 ft, 100' above top of Fruitland Coal.

* 2nd Stg Lead: 1881 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
7850	7	23	J-55, LT&C	* 2 stage

* 1st Stg Tail: 720 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 3227 ft Est TCMT 3127
Top of Mesa Verde 5358 ft
Stage tool depth 4858 ft, 500' above top of Mesa Verde.

* 2nd Stg Tail: 380 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
505	4.5	11.6	N-80, LT&C	* single stage

* 1st Stg Tail: 78 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 8155 ft
Estimated Top of Liner 7650 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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