

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-078566

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Storey LS #4 A

9. API Well No.

10. Field and Pool, or Exploratory Area

Blanco Mesaverde/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)

1790'FNL 1570FWL

34 T 28N R 8W

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

- ☐ 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 12/13/93.

RECEIVED  
FEB - 7 1994  
OIL CON. DIV.  
DIST. 3

CONFIDENTIAL

RECEIVED  
BLM  
94 JAN 27 PM 12:54  
070 FARMINGTON, NM

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

Signed

Title

Sr. Staff Assistant

Date

01-25-1994

(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

JAN 31 1994  
DISTRICT MANAGER

Lease: Storey LS  
County: San Juan, New Mexico  
Formerly Reference Well #10149

Well No. 4A  
Location: 1790' FNL x 1570' FWL, Sec. 34, T28N, R8W  
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	5,859 Est. GL Elev. 5,875 Est. KB Elev.	
Rotary	0 - TD	Marker	Depth (ft)
LOG PROGRAM		Ojo Alamo (Base)	1,410
Type	Depth Interval	Fruitland	1,915
HRIL, HRFDC - CNL, GR, SP, ML, CAL, MRI*	NONE	Pictured Cliffs	2,205
DIL, GR, SP (Pull HR tools at normal speed	NONE	Lewis Shale	2,295
across all interval not specified for high resolution).		Cliff House *	3,875
HRIL, HRFDC - CNL, GR, CAL	TD - ICP	Menefee *	3,913
		Point Lookout *	4,450
		Mancos Shale	4,855
		Greenhorn	6,370
		Dakota #	6,465
		TOTAL DEPTH:	6,735
REMARKS:		# Probable completion interval * Possible pay.	
Numar, Magnetic Resonance Image (MRI), pulls at 3'/min.		OJO ALAMO IS POSSIBLE USEABLE WATER.	
(409) 836 - 2955 (Numar, Brenham District).			
* Run at discretion of Amoco Geologist.		DRILL CUTTING SAMPLES	
SPECIAL TESTS		DRILLING TIME	
TYPE	DEPTH INTERVAL, ETC	FREQUENCY	DEPTH
None		NONE	Geolograph
Remarks:		0 - TD	
		Remarks:	
MUD PROGRAM:			
Approx Interval	Type Mud	Weight, #/gal	Vis, sec/qt
0 - SCP	SPUD	8.5 - 9.0	W/L, cc's/30 min
SCP - ICP	LSND	8.8 - 11.0	Sufficient to clean hole and maintain hole conditions for logs.
ICP - TD	AIR	-	

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	11-3/4"	14-3/4"	1,2
Intermediate (ICP)	2,445	8-5/8"	10-5/8" or 11"	1,2,3
Production (TD)	6,735	5-1/2"	7-7/8"	2,4

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 270' into Dakota, at discretion of Amoco Geologist.

GENERAL REMARKS:

Southern Rockies Dakota Engineer to design completion program.

REVISED WELLPLAN FROM MORRISON TD TO UPPER DAKOTA TD, REVISE LOG AND MUDLOG.

Form 46 Reviewed by:	Logging program reviewed by:
PREPARED BY:	APPROVED:
F. Seidel/A. Logan	<i>J. R. Pantaleo</i>
Form 46 7-84bw	For Production Dept
	APPROVED:
	For Exploration Dept

Formerly Reference Well #10149

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 production hole will be drilled with air to TD.

Surface Casing:

Quantity (ft)	Size (in)	Wt. (ppf)	Description	Cement program
400	11.75	42	H-40, ST&C	390 cf, * See Cmt Type

\* Cmt Type: Class B, 2% CaCl2 + 0.25 #/sx Flocele, 1.18 cf/sx, 15.6 ppg.  
Hole size 14.75", 125% excess, circulate cement to surface.

Intermediate Casing:

Quantity (ft)	Size (in)	Wt. (ppf)	Description	Cement program
2445	8.625	24 & 32	J-55, LT&C	* 2 stage

\* 1st Stg Tail: 352 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 1915 ft  
Stage tool depth 1815 ft, 100' above top of Fruitland Coal.

\* 2nd Stg Lead: 886 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 11", 120% excess, circulate cement to surface.

Protective Casing:

Quantity (ft)	Size (in)	Wt. (ppf)	Description	Cement program
6735	5.5	15.5	J-55, LT&C	* 2 stage

\* 1st Stg Tail: 932 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 2205 ft Est TCMT 2105  
Top of Mesa Verde 3875 ft  
Stage tool depth\*\* 3375 ft, 500' above top of Mesa Verde.

\* 2nd Stg Tail: 318 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 7.875", 60% excess, circulate cement to surface.  
\*\*A stage tool will only be used if this hole section has to be mud drilled.

RECEIVED  
FEB - 7 1994  
OIL CON. DIVJ  
DIST. 3