

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

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)
1170'FLS 1460'FEL Sec. 30 T 30N R10W

5. Lease Designation and Serial No.

SF-078195

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Sellers Federal ES 2M

9. API Well No.

10. Field and Pool, or Exploratory Area Basin
Blanco Mesaverde/Dakota

11. County or Parish, State
San Juan, New Mexico

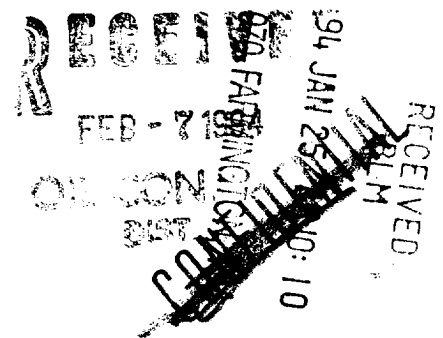
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input checked="" type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<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 to drill submitted on 12/13/93.



14. I hereby certify that the foregoing is true and correct.
Signed DeAnne J. Llanos Title Sr. Staff Assistant Date 01-18-1994

(This space for Federal or State office use)

Approved by _____ Title _____
Conditions of approval, if any:

APPROVED

JAN 31 1994

DISTRICT MANAGER

FINAL COPY

AMOCO PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAMFile: C:\20051F46.wk3
Revision Date: 01/21/94Lease: Sellers Federal LS
County: San Juan, New Mexico
Formerly Reference Well #20051Well No. 6M
Location: 1170' FSL x 1460' FEL, Sec. 30, T30N, R10W

Field: Basin Dakota

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

METHOD OF DRILLING	
TYPE OF TOOLS	DEPTH OF DRILLING
Rotary	0 - TD
LOG PROGRAM	
Type	Depth Interval
HRIL, HRFDC-CNL, GR, SP, ML, CAL, MRI*	PC-FTLND
DIL, GR, SP (Pull HR tools at normal speed across all interval not specified for high resolution).	ICP-SCP
HRIL, HRFDC-CNL, GR, CAL	TD - ICP

REMARKS:

Numar, Magnetic Resonance Image (MRI), pulls at 3'/min.
(409) 836 - 2955 (Numar, Brenham District).

* Run at discretion of Amoco Geologist.

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 - SCP	SPUD	8.5 - 9.0	Sufficient to clean hole and maintain hole condition for logs	
SCP - ICP	LSND	8.8 - 11.0		
ICP - TD	AIR	-		

REMARKS:

* Use minimum mud weight to control formation pressures.

** Mesa Verde and/or Dakota may be wet, be prepared to mud up if necessary.

CASING PROGRAM:

Casing String	Estimated Depth (ft)	Casing Size	Hole Size	Landing Point, Cement, Etc
Conductor				
Surface (SCP)	250	11-3/4"	14-3/4"	1,2
Intermediate (ICP)	2,778	8-5/8"	10-5/8" or 11"	1,2,3
Production (TD)	7,129	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 at top Burro Cyn, at discretion of Amoco Geologist.

GENERAL REMARKS:

Southern Rockies Dakota Engineer to design completion program.

REVISED WELLPLAN FROM MORRISON TD TO UPPER DAKOTA TD, SURF CSG, MUDLOGGER.

Form 46 Reviewed by:

PREPARED BY:

F. Seidel/A. Logan

Form 46 7-84bw

Logging program reviewed by:

APPROVED:

For Production Dept

APPROVED:

For Exploration Dept

RECEIVED

FEB - 7 1994

OIL CON. DIV.
DIST. 3

CONFIDENTIAL

Formerly Reference Well #20051

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
250	11.75	42 H-40, ST&C		244 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
2778	8.625	24 & 32 J-55, ST&C and LT&C		* 2 stage

* 1st Stg Tail: 379 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 2201 ft
Stage tool depth 2101 ft, 100' above top of Fruitland Coal.

* 2nd Stg Lead: 1046 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
7129	5.5	15.5 J-55, LT&C		* 2 stage

* 1st Stg Tail: 976 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 2491 ft Est TCMT 2391
Top of Mesa Verde 4110 ft
Stage tool depth** 3610 ft, 500' above top of Mesa Verde.

* 2nd Stg Tail: 299 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.

CONFIDENTIAL

BY: FRANK SEIDEL/BARRY PEISER 01/21/94

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

H:\GROUP\SRBU\NMEXDK\CMTFORM.WK3